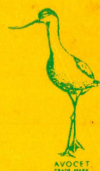


VALVE DATA MANUAL



THE AUTOMATIC COIL WINDER & ELECTRICAL EQUIPMENT CO. LTD.
WINDER HOUSE, DOUGLAS STREET, LONDON, S.W.1

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THE
AVO
VALVE DATA
MANUAL

FOURTH EDITION

1953



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WINDER HOUSE, DOUGLAS STREET, LONDON, S.W.1

Telephone: VICtoria 3404-9



THE AVO VALVE CHARACTERISTIC METER Mk II



VALVE BASE ADAPTORS

F O R E W O R D

This data manual is primarily intended for use with the “ AVO ” Valve Characteristic Meter and “ AVO ” Valve Tester, but once the Selector Switch code is known, the manual also forms a quick and convenient guide for general use.

The Instruction Book which accompanies the Valve Characteristic Meter should be thoroughly studied before the data contained in this manual is used in conjunction with the instrument, but as a convenient guide to the user who is already familiar with the full instruction book, abbreviated working instructions for the instrument are given in this publication. Abbreviated working instructions are also given for the “ AVO ” Valve Tester.

It is our intention to issue revised copies of this manual from time to time and dates of publication and price will be given in our advertisements in the Trade Press. If, in the interim periods between issues of this manual, a large number of new valves appear upon the market, amendment sheets will be issued at a small charge, whilst it may also be possible to give up-to-date information, on a number of valves, in our advertisements.

WATCH OUR ADVERTISEMENTS FOR FURTHER ANNOUNCEMENTS.

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Whilst every care has been taken in the preparation of this manual to ensure that the data given is correct, the Company cannot accept any responsibility for damage caused to a valve under test, or the instrument, due to the inclusion of incorrect information.

ABBREVIATED WORKING INSTRUCTIONS FOR THE "AVO" VALVE CHARACTERISTIC METER.

The brief notes which follow are intended to act as a guide to the operator who has already studied, and is familiar with, the contents of the Instruction Manual issued with the instrument.

1. Check mains adjustment tap and connect mains lead to the supply, red and black leads are line and neutral, green or yellow, the Earth connection.
2. Set "CIRCUIT SELECTOR" to "CHECK (C)".
3. Set "METER SELECTOR" to 100 on outer scale.
4. Turn "SET ZERO" Control fully clockwise.
5. Set "FILAMENT VOLTAGE" switches to value indicated in Valve Data.
6. Set "ANODE VOLTS", "SCREEN VOLTS", and "GRID VOLTS" to values indicated in Valve Data.
7. Set "ROLLER SELECTOR" switch as indicated in Valve Data.
8. Switch "ON", press "RESET" button, release, and with "ELECTRODE LEAKAGE" switch at " \sim " adjust movement pointer to position " \sim " by means of "SET \sim " switch.

ALL VALVES.

1. Insert Valve.
2. Fully rotate "ELECTRODE LEAKAGE" switch, check heater continuity at "H" and insulation on all other positions.
3. Set "CIRCUIT SELECTOR" at "CHECK (H)" to measure leakage from Heater/Cathode to all other electrodes strapped, with valve hot.
4. Turn "CIRCUIT SELECTOR" to "CHECK (H)" to measure leakage between heater and cathode with valve hot (if valve is indirectly heated).

TRIODES, DOUBLE TRIODES, DIODE TRIODES, PENTODES, DOUBLE PENTODES, DIODE PENTODES AND TETRODES IN SIMILAR COMBINATION.

ANODE CURRENT. Turn "ANODE SELECTOR" to " A_1 ". "CIRCUIT SELECTOR" to "TEST". Meter should then indicate "ANODE CURRENT". Reduce "METER SELECTOR" switch setting if required. If the meter lamps go out, do not press "RESET" button until you have checked for faulty settings on "ROLLER SELECTOR" switch. If these are in order, the valve is probably 'soft' and the test should proceed no further.

MUTUAL CONDUCTANCE. Reduce Meter reading to "ZERO" by means of the "SET ZERO" control. Press "mA/V" Button. Meter reading in milli-amps represents "MUTUAL CONDUCTANCE" in "mA/V". To test on "GOOD/BAD" scale, reduce meter readings to "ZERO" as before, turn "METER SELECTOR" switch to "mA/V" position. Adjust "SET mA/V" control to figure given in the Valve Data. Press "mA/V" Button. A good valve should read within the green band on the meter.

For double valves, check data for difference in electrode voltages and repeat above operation at A_2 .

GAS TEST. To measure Grid current, proceed as for mutual conductance, using “GOOD/BAD” scale. Reduce meter reading to “ZERO” by means of the “SET ZERO” control, press “mA/V” button, adjust meter reading to full scale by means of “SET mA/V” control. Release “mA/V” button, press “GAS” button. Full scale deflection will now represent 10 μ A Grid Current. For currents over 10 μ A use method given in full instruction book.

DIODES. To measure “DIODES” set the “METER SELECTOR” switch to 1 on inner ring of figures and “ANODE SELECTOR” switch to “A₁”, turn “CIRCUIT SELECTOR” switch to “DIODE”. Check double diodes at “A₁” and “A₂”.

RECTIFIERS. Proceed as above to test for electrode leakage, heater/cathode leakage, etc. Using inner ring of figures, set “METER SELECTOR” switch to load shown in Valve Data, turn “CIRCUIT SELECTOR” switch to “REC” Good valves will read in green band on meter scale. Load reading is per anode.

TUNING INDICATORS. (MAGIC EYES). For testing data see page 98.

Abbreviations used in this Manual.

For detailed information, refer to the working instructions for the Valve Characteristic Meter.

D, DD, DDD, - Diodes.

DT, DDT, DP,,DDP. - Valve with another electrode assembly in addition to the diode

H. - Heptode or Hexode.

N. - Nonode.

O. - Octode.

P. - Pentode, PP. - Double pentode.

T. - Triode. TT. - Double triode. TH. - Triode Heptode, or Triode Hexode.

TP. - Triode pentode.

R. - Rectifier. RR. - Full wave rectifier.

*. - Denotes internally connected pin.

†. - Third diode in triple diode.

ABBREVIATED WORKING INSTRUCTIONS FOR THE “AVO” VALVE TESTER

Although the “Avo” Valve Tester has been out of production for some years, the following operational notes will be of assistance to the user not entirely familiar with the instrument, and its employment in conjunction with this new data manual.

The data in the following pages for the “AVO” VALVE CHARACTERISTIC METER also gives sufficient information for the checking of valves with the “AVO” VALVE TESTER, referred to as the “A.V.T.”

The data is presented in the following form :—

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		

By taking no account of the data shown in the columns specifically marked Valve Characteristic Meter, the data applicable to the “A.V.T.”, is obvious.

1. The voltage selector panel associated with the internal transformer in the meter unit should be set to match the voltage of the A.C. mains supply.
2. Before switching on, locate in this manual the line of data applicable to the valve to be tested and set the ANODE, SCREEN and HEATER switches to the voltages indicated. The SELECT ANODE switch should be set to “NORMAL”, “A2”, “D₁” or “D₂” according to the test to be undertaken, the SET ZERO control turned fully clockwise, the SET mA/V control set at 100, and the ROLLER SELECTOR SWITCH set up in accordance with the code number appearing in the data.
3. Switch on, noting that the neon indicator lights up indicating that the mains switch is on, and insert test lead plugs into the sockets in Meter Unit Panel. The neon lamp will now have been extinguished. If the Crocodile Clips at the remote ends of the leads are now connected to the valve pins in turn, shorts between the valve electrodes will be indicated by the neon lamp glowing. The test should not proceed further if shorts between electrodes (other than heater pins) are indicated.
4. Insert valve in correct socket upon valve panel and observe test procedure outlined below

P. & T. (Pentodes and Triodes).

As the valve warms up the initial anode current will be registered upon the meter and should be backed off to zero by means of the SET ZERO control. The SET mA/V control should now be set to “mA/V” and any adjustment required to return the needle to zero, made upon the SET ZERO control.

The toggle key is now depressed in the direction marked mA/V thus indicating the slope of the valve upon the “mA/V” scale. This reading should compare favourably with the figure given in the data.

The toggle key is now depressed in the direction marked C. INS. (for indirectly heated valves only) thus indicating cathode/heater insulation which should, for a good valve, be of the order of 5—10 MΩ (in the case of pentodes, for this test the SCREEN switch should be set at 60 or damage to the instrument and valve may result.).

DT, DDT, DP, DDP (Valves with another electrode assembly in addition to diode)

The mutual conductance of the triode or pentode section is checked with anode selector at "Normal". Emission figures for each diode are then obtained as below.

"†" See information given under the heading "Diodes" below.

TT and PP (Double Electrode Assemblies)

The mutual conductance of each half of such a valve is obtained with the anode selector at "Normal" and A_2 .

Where no mutual conductance figure is given, each half of valve should be checked for matching of mutual conductance.

R (Rectifiers)

To test rectifying valves for emission, set mA/V control at 100 and anode volts switch at "Rec". Emission of each anode (in case of full wave) will be obtained by setting anode selector at " D_1 " and " D_2 " respectively. The two emissions should match within small limits and can be compared with the figures given in the mA/V column which indicates the order of emission to be expected.

D, DD and DDD (Diodes)

These are tested for emission for each diode with anode volts switch at "D" and anode selector at " D_1 " and " D_2 ". Set "mA/V" control at "mA/V" when reading should be greater than 0.5 for a good diode. Readings will generally be between 2 and 5. Where the symbol "†" occurs amongst the selector switch set up figures, set to A_2 and test for emission of third diode with Anode Selector at A_2 .

Where D_1 or D_2 appears under the heading "Top Cap" these should be connected to top cap "A" and tested with the anode selector at "Normal".

		<i>Selector Switch</i>	<i>T.C.</i>	<i>Vf</i>	<i>Anode Volts</i>	<i>Base</i>	<i>Type</i>
E.g.	EA50	123 000 000	D_1	6	D	B3G	D

Connect to Anode Top Cap (A) and check for emission of Diode with Anode Selector at "Normal".

TH, TP, O (Frequency Changers)

To test frequency changers two sets of figures are given, first check the triode (Oscillator) section with the anode selector at "Normal" and then the pentode (mixer) section with the selector at A_2 .

SPECIAL NOTES

Due to the vast improvements in valve technique, the A.V.T. has limitations to its use. Notably the tendency to parasitic oscillations has greatly increased, and this should be borne in mind when high slope, short grid base valves of the all glass base construction are under test.

INTERNAL CONNECTION (*)

When the symbol * appears among the Selector Switch set up figures, it indicates that an unknown electrode may be connected to this pin internally. To obtain the complete Selector Switch coding, test with an ohmmeter between pin marked * and all others. (The ohmmeter should be on a sufficiently low range to discriminate between a dead short and filament resistance). Dependent upon the electrode to which this pin is internally connected the correct code can be set up and normal test procedure followed.

Where the pin marked * is O.C to all others Set Roller to 0.									
”	”	”	”	”	”	connected to Cathode	Set Roller to	1.
”	”	”	”	”	”	Heater —	”	” 2.
”	”	”	”	”	”	Heater +	”	” 3.
”	”	”	”	”	”	Grid	”	” 4.
”	”	”	”	”	”	Screen	”	” 5.
”	”	”	”	”	”	Anode	”	” 6.
”	”	”	”	”	”	Anode 2	”	” 7.
”	”	”	”	”	”	Diode Anode 1	Set Roller to		8.
”	”	”	”	”	”	Diode Anode 2	”	” 9.

1.4 Volt Dry Battery Valves

To obtain the filament supply for the 1.4V series, set the filament voltage switch to 10 volts and the toggle switch on the valve holder panel to $\div 7$ position. The toggle switch must always be returned to “Normal” after such tests. Where the Filament Voltage Extension Unit is used, 1.4 volts can be obtained direct by setting to 1.4 V, but in these circumstances the $\div 7$ toggle switch must be left at “Normal.”

Accessories for A.V.T.

If the valve base required does not appear on the Valve Holder Panel it is necessary to use an adaptor which plugs into the Octal Holder. These are supplied as follows :—

No. 1. B7G and B8A.	No. 5. Blank.
No. 2. B9G.	No. 6. UX7 (6A7 Base).
No. 3. B8B.	No. 7. B9A.
No. 4. B3G. Hivac D.A.4 and 5 pin.	No. 8. Continental 8 pin (F8).

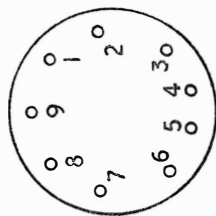
Special Note re use of Valve Base Adaptor No. 2

When using this data in conjunction with the B9G base, Pin 1 must be connected to H_3+ , and Pin 8 connected to H_2 . In these circumstances most types will give heater/cathode short which can be ignored. Apart from the filament connections referred to all other set up figures will remain as printed, but pin 9 should be connected to ϕ . Eg. EF50. Using Valve Base Adaptor No. 2. Selector Switch Number will read 356 10i 420.

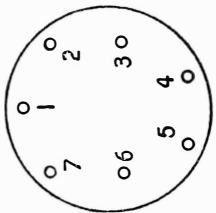
Old Type Panels

Note that the foregoing information does not apply to the now obsolete English and American panels without roller switch.

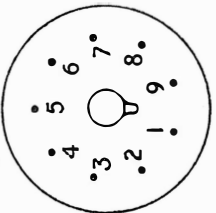
DIAGRAM OF STANDARD PIN CONNECTIONS (viewed from underside of base)



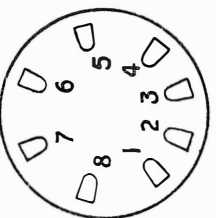
BRITISH NINE PIN (B9)



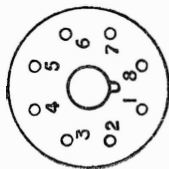
BRITISH SEVEN PIN (B7)



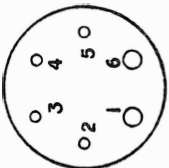
B9G



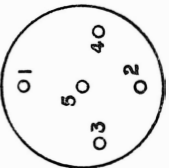
'P' TYPE BASE (8SC)



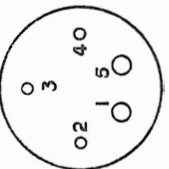
INTERNATIONAL OCTAL (AO8)



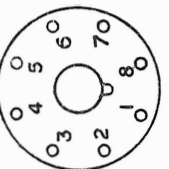
AMERICAN SIX PIN (UX6)



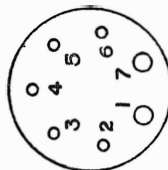
BRITISH 4/5 PIN (B5&B4)



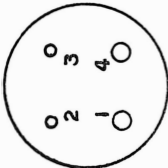
AMERICAN FIVE PIN (UX5)



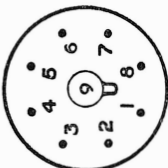
BRITISH OCTAL (MO8)



AMERICAN SMALL SEVEN PIN (SM7)



AMERICAN FOUR PIN (UX4)



AMERICAN LOCALTAL (B8B)



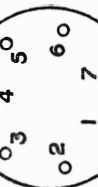
SUB MINATURE 8 PIN (M8)



HIVAC FOUR PIN (SM4)



HIVAC FIVE PIN (SM5)



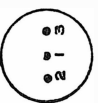
AMERICAN SEVEN PIN (UX7)



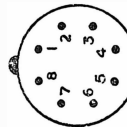
B7G



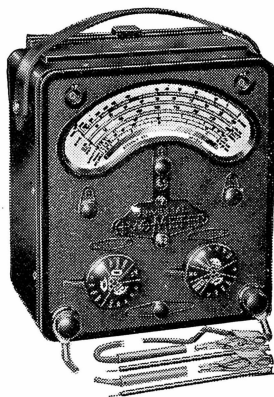
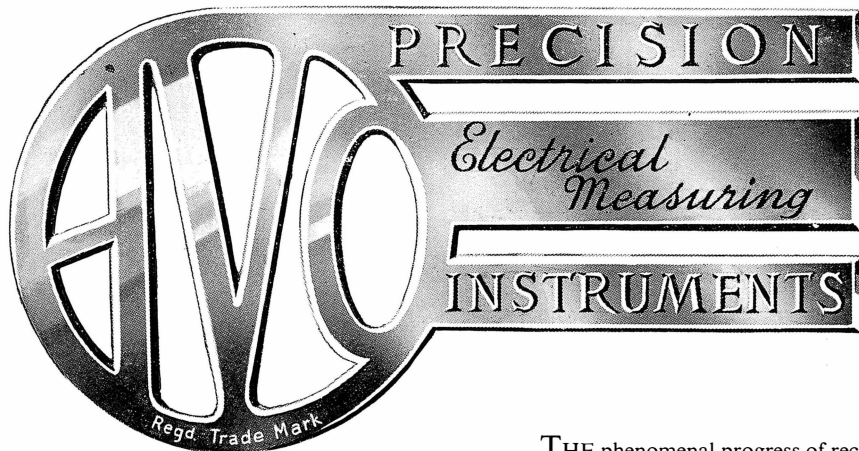
B9A



B3O



B8A



Model 7 Universal **AVOMETER**

A multi-range A.C./D.C. instrument of B.S. 1st grade accuracy, providing 50 ranges of readings on a 5-in. hand calibrated scale. Range selection is by means of two rotary switches, for A.C. and D.C. respectively. A press button provides an additional range for each value of current and voltage shown on the switch knobs. Current consumption at full scale deflection is 1mA. or 2mA. according to whether press button is used or not. Total resistance is 500,000 ohms. By means of an external accessory (the Universal Avometer Power Factor and Wattage Unit) power factor and power can be measured in A.C. circuits. An automatic cut-out provides protection against damage through overload.

Current : A.C. and D.C. 0 to 10A.

Voltage : A.C. and D.C. 0 to 1,000V.

Resistance : Up to 40 megohms.

Capacity : .01 to 20 mFds.

Audio-Frequency Power Output : 0-2W.

Decibels : —25Db. to +16Db.

Size : 8×7½×4½ ins. **Weight :** 6½ lbs.

Model 40 Universal **AVOMETER**

A similar instrument to the Model 7 Avometer described above, but providing 40 ranges of current, voltage and resistance. Total resistance is 200,000 ohms.

Current : A.C. and D.C. 0 to 12 amps.

Voltage : A.C. and D.C. 0 to 1,200 volts.

Resistance : Up to 1 megohm.

Size : 8×7½×4½ ins. **Weight :** 6½ lbs.

THE phenomenal progress of recent years in electrical engineering owes much to the contemporary advances in the design of electrical measuring instruments.

The equipment of a laboratory for making electrical measurements and tests can involve an expenditure of hundreds of pounds. Likewise the test gear essential to the work of the radio service engineer can also be a source of considerable expense.

This difficulty is largely surmounted, and other advantages are conferred, by the use of modern multi-range testing instruments, which afford maximum usefulness with a reasonable initial outlay.

“AVO” Instruments are scientifically designed on sound principles, being the outcome of many years of successful experience by the pioneers and leading manufacturers of multi-range instruments. Before leaving our factory, every “Avo” Instrument is tested and adjusted to give a high degree of accuracy and constancy of performance.

Model 8

Universal

AVOMETER

A recent version of the Universal Avometer having a sensitivity of 20,000 ohms per volt on all D.C. ranges, and 1,000 ohms per volt on A.C. ranges from 100V. upward. Accuracy on D.C. current ranges and A.C. ranges is to B.S. first grade, and on D.C. voltage ranges is 2% of indication from full scale to half scale deflection, and 1% of full scale value below half scale deflection.

In addition to the many well-known Avometer features, such as the automatic overload protection device, dual-knob range selection, etc., it has a push button for reversing the polarity of the movement to obviate the inconvenience of changing over the leads when encountering opposite potentials in respect to a common reference point.

Voltage : A.C. and D.C. 2.5 to 2,500 volts.

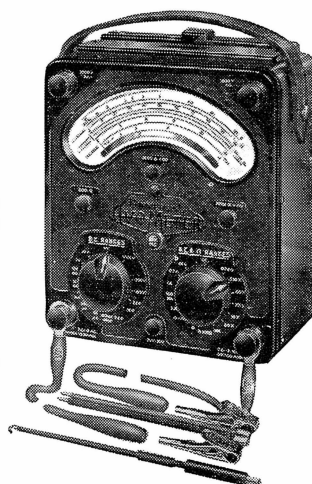
Current : A.C. and D.C. 0 to 10 amps.

Resistance : 0-20 megohms with internal batteries.

0-200 megohms with external D.C. supply

Decibels : —15Db. to +15Db.

Size : 8½×7½×4½ ins. **Weight :** 6½ lbs.





Electrical TESTING INSTRUMENTS



'Avo' ELECTRONIC TESTMETER

A highly stable thermionic D.C. Millivoltmeter with subsidiary circuit switching giving 56 ranges of readings as follows :—

D.C. Volts : 5.0mV. to 10,000V. Max. Input Resistance 110 megohms.

D.C. Current : 0.5 μ A to 1A. (250mV. drop on all ranges).

A.C. Volts : 0.1V. to 2,500V. R.M.S. up to 2 Mc/s. With diode probe external 0.1V. to 250V. R.M.S. usable to 200 Mc/s.

A.C. Output Power : 5mW. to 5 watts in 6 different load resistances from 5 to 5,000 ohms.

Decibels : —10Db. to +20Db. Zero level 50mW.

Capacity : .0001 μ F to 50 μ F.

Resistance : 0.2 ohm to 10 megohms.

Insulation : 0.1 megohm to 1,000 megohms.

Power Supply : 100-130V. and 200-260V., 50-60 c/s. A.C.

Size : 12 $\frac{1}{2}$ \times 9 \times 5 $\frac{1}{2}$ ins. Weight : 12 $\frac{1}{2}$ lbs.



'Avo' ELECTRONIC TEST UNIT

An instrument designed to provide, at reasonable cost, electronic amplification facilities for the measurement of small values of A.C. Voltages, Inductance, Capacity and "Q" at radio frequencies. May be used with any Valve Voltmeter and Signal Generator of good wave form, but the ranges have been selected specially to suit those of the "Avo" Electronic Testmeter and the "Avo" Wide-Range Signal Generator. The instrument operates on A.C. mains, 100-130V. and 200-260V., 50-60 c/s.

Size : 12 $\frac{1}{2}$ \times 9 \times 5 $\frac{1}{2}$ ins. Weight : 9 lbs.

'Avo' UNIVERSAL BRIDGE

A self-contained 50 c/s. Bridge having 20 calibrated ranges for measuring Resistance, Capacity and Inductance over an extremely wide range. The value of the unknown impedance is directly indicated and further provision is made for measuring the leakage of condensers by the flashing Neon method at D.C. test voltages of 25, 50, 150, 250, 350 and 450 volts.

Resistance : 0.5 ohm to 50 megohms.

Capacity : 5pF. to 50mFds.

Inductance : 50mH. to 500H.

Power Supply : 100-130 and 200-260V., 50-60 c/s. A.C.

Size : 13 \times 10 $\frac{1}{4}$ \times 5 ins. Weight : 9 lbs.





Electrical TESTING INSTRUMENTS



'AVO' Wide-Range SIGNAL GENERATOR

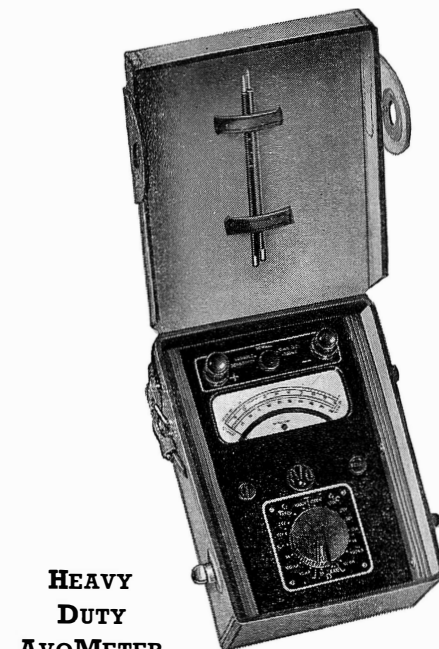
An R.F. Generator of remarkably wide range and accuracy of performance with turret coil switching, providing 6 frequency ranges :—

50 Kc/s-150 Kc/s.	1.5 Mc/s-5.5 Mc/s.
150 Kc/s-500 Kc/s.	5.5 Mc/s-20 Mc/s.
500 Kc/s-1.5 Mc/s.	20.0 Mc/s-80 Mc/s.

The H.F. circuit is a modified Colpitts Oscillator giving good waveform and sensibly constant level of signal over the full frequency ranges. The instrument operates on A.C. mains, 100-130V. and 200-260V., 50-60 c/s.

Size : $12\frac{1}{2} \times 9 \times 5\frac{1}{2}$ ins. Weight : 12 lbs. 6 ozs.

Battery Model also available covering a frequency band of 50 Kc/s-70 Mc/s.



HEAVY DUTY AVOMETER

An A.C./D.C. moving coil meter specially designed for use under conditions where an exceptionally robust and portable instrument is required. 18 ranges of direct readings on a $3\frac{1}{4}$ -in. scale.

Current : A.C. and D.C. 10mA, 100mA, 1A, 10A.

Voltage : A.C. and D.C. 10, 25, 250, 1,000V.

Resistance : 0-500 ohms. (Midscale 12.5 ohms.)
0-50,000 ohms. (Midscale 1,250 ohms.)

Sensitivity : D.C. voltage ranges, 1,000 ohms. per volt.

A.C. voltage ranges except 10-volt range, 500 ohms. per volt.

10-volt A.C. range, 200 ohms. per volt.

Size : $7\frac{3}{8} \times 5\frac{3}{8} \times 4$ ins. Weight : 5½ lbs.

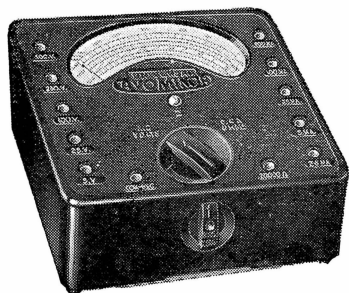
'AVO' LIGHT METER

This pocket size photo-electric cell instrument gives direct readings in both foot candles and lux units. The scale, calibrated from 0-50 foot candles and 0-500 lux, is very open at the lower end, enabling readings as low as one foot candle to be read with rapidity and ease. A switch multiplier increases the range to 250 foot candles and 2,500 lux. The Instruction Book provided with the instrument contains lists of recommended illuminations for all kinds of interiors.

Size : $2\frac{3}{4} \times 2\frac{3}{8} \times 1\frac{1}{16}$ ins. Weight : 7 ozs.



Electrical TESTING INSTRUMENTS



Universal AVOMINOR—Model 1

A small but highly accurate moving-coil instrument for measuring A.C. and D.C. current and resistance. Total resistance is 200,000 ohms. on 500V. range. 22 ranges of readings on a 3-in. scale.

D.C. Voltage : 0-500V.

D.C. Current : 0-500mA.

A.C. Voltage : 0-500V.

Resistance : 0-10 megohms.

Size : $4\frac{3}{4} \times 3\frac{7}{8} \times 1\frac{7}{8}$ ins. Weight : 18 ozs.

Supplied complete with leads, interchangeable crocodile clips and testing prods, and instruction book.

Power, Power Factor and kVA can now be measured on the AvoMeter by means of the AVO Power Factor and Wattage Unit. Send for free illustrated leaflet.

The following ACCESSORIES are available for 'Avo' Testing Instruments.

AvoMeter Voltage Multipliers.

AvoMeter Shunts for D.C. Current

AvoMeter Transformers for
A.C. Current Measurements.

AvoMinor Voltage Multipliers.

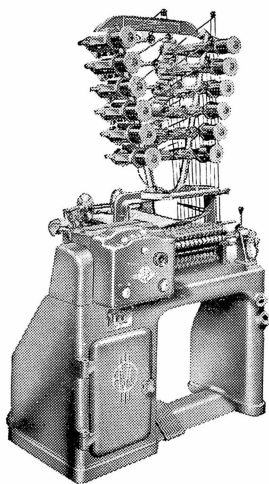
AvoMeter Resistance Range
Extension Units.

AvoMinor Resistance Range
Extension Units.

AvoMinor Shunts.

Leather Cases are available for most Instruments.

● A Comprehensive Guide to the complete range of 'Avo' Instruments is available.



DOUGLAS and MACADIE COIL WINDERS

The Machine illustrated is the "Douglas" Fully Automatic Multi-Winder, for the high-speed production of large quantities of coils with or without paper interleaving. It will produce round, square or rectangular coils up to 6in. each in length, and up to $4\frac{1}{2}$ in. diameter. As many as 12 smaller coils can be wound simultaneously within the total available winding length of 15 inches, at headstock speeds of between 600 and 2,000 r.p.m.

Our complete catalogue illustrates twenty-seven different machines, ranging from a simple Hand-Winder to the Double-Bank Multi-Winder capable of producing 24 coils simultaneously, also Taping Machines and a Cotton Inserter Attachment.

Sole Proprietors and Manufacturers :

**THE AUTOMATIC COIL WINDER & ELECTRICAL EQUIPMENT CO. LTD.
WINDER HOUSE, DOUGLAS STREET, LONDON, S.W.1.**

Telephone : Victoria 3404-9.

Telegrams : Autowinda, Sowest, London.

CIVILIAN EQUIVALENTS OF SERVICE TYPES

Service No.	Civilian No.	Service No.	Civilian No.	Service No.	Civilian No.	Service No.	Civilian No.
AR4	PMIHF	ARP38	KTZ73	CV131	9D6	CV415	TT15
AR5	P220	ARS7	VS24	CV133	6C4	CV416	6F17
AR6	LP2	ARS8	PM12V	CV135	EY9I	CV417	EC9I
AR7	4DI	ARTH2	ECH35	CV136	7D9	CV419	EC9I
AR8	HL23DD	ARTP1	TP22	CV137	EAC9I	CV423	25SN7
AR9	PMILF	ARTP2	TP25	CV138	EF9I	CV426	EY5I
AR10	TDD2A	AT20	MZ05/20	CV140	6AL5	CV428	5B/254M
AR11	4019B	ATS25	807	CV152	GU2I	CV430	29CI
AR12	KCI	ATP4	V248A	CV171	W2I	CV437	KT67
AR13	B406	ATP5	V245	CV173	EF55	CV450	EL38
AR14	220RC	ATP7	V266	CV177	8I3	CV452	6AT6
AR15	220LF	ATP10	4061A	CV181	ECC32	CV453	6BE6
AR16	220B	ATP35	PVI-35	CV182	E1488	CV454	6BA6
AR17	MH4	AUI	UI8	CV185	PM202	CV455	12AT7
AR20	402IB	AU2	RG250	CV187	UI9	CV465	EF72
AR21	EBC33	AU3	UI2/14	CV201	V630	CV466	EF73
ARD2	DI	AU3A	I56I	CV207	AC/P4	CV467	EF70
ARD4	D42	AU4	UI7	CV222	E1489	CV468	EC70
ARDDI	I0DI	AU5	V1907	CV235	U23	CV469	EA76
ARDD3	6H6	AU6	GU50	CV243	4045A	CV490	19H5
ARDD5	EB34	AU8	U22	CV244	AF2	CV491	12AU7
ARHI	6L7	AUI2	UI5	CV245	4328D	CV492	12AX7
ARPI	PT2	AUI3	5Z4	CV249	4019A	CV493	6X4
ARP2	SP2	AW5	ME4I	CV260	SP6I	CV499	5B/256M
ARP3	9D2	AW6	EM3I	CV261	R10	CV500	6T7
ARP4	SP210	CVI	DC5I	CV265	I9E2	CV501	EBF32
ARP5	VP2	CV4	E1229	CV266	E1336	CV503	5W4
ARP6	SP4	CV5	CV152	CV276	11E2	CV504	6U5
ARP7	42MPT	CV6	E1148	CV278	E1606	CV509	6V6G
ARP8	AC4Pen	CV8	E1356	CV281	X6I	CV510	6V6
ARP9	PenI340	CV9	AL60	CV283	6AL5	CV511	6V6
ARP9A	7D8	CV18	DET19	CV302	ECH22	CV512	6W7
ARPI0	PenA4	CV20	V1906	CV303	EF22	CV515	6Y6
ARPI1	TSP4	CV21	VP4I	CV304	EL22	CV517	0Z4A
ARPI2	VP23	CV24	HL4I	CV305	EF5I	CV518	AC/VP1
ARPI3	VP210	CV26	8I3	CV309	QV04-7	CV519	Pen 4DD
ARPI4	220IPT	CV31	U20	CV321	KT66	CV520	VP2B
ARPI5	KTW63	CV33	4077A	CV324	CV1628	CV522	7B7
ARPI6	6J7	CV51	E1320	CV327	EF52	CV523	12Y4
ARPI7	6F6	CV53	3A/146J	CV329	6F33	CV524	TT12
ARPI8	KT24	CV54	V960	CV344	E1323	CV525	12A6
ARPI9	SP4I	CV63	E1323	CV345	12EI	CV526	12A6
ARP20	SP42	CV65	Pen25	CV346	EZ22	CV529	12AH7
ARP21	Z62	CV66	RL37	CV347	EBC2I	CV531	12C8
ARP22	116/Pen	CV72	V1120	CV352	EBC33	CV534	12J5
ARP23	MS/Pen	CV73	11E3	CV358	EF37	CV535	12J5
ARP24	220VPT	CV78	E1137	CV371	I9G6	CV537	12SA7
ARP25	KT4I	CV82	3A/147J	CV375	EA50	CV538	12SA7
ARP26	KT44	CV84	4033A	CV378	53KU	CV540	12SC7
ARP33	MSP4	CV118	SP6I	CV380	EF54	CV543	12SK7
ARP34	EF39	CV121	V1920	CV391	5B/255M	CV544	12SK7
ARP35	EF50	CV122	E1336	CV394	EM34	CV545	ACSP3
ARP36	SP6I	CV124	807	CV408	A1714	CV546	12SQ7
ARP37	QP25	CV128	SU750	CV409	A1820	CV547	12SQ7

Service No.	Civilian No.	Service No.	Civilian No.	Service No.	Civilian No.	Service No.	Civilian No.
CV548	LP2	CV616	77	CV757	1A6	CV844	6AC5
CV549	25A6	CV617	80	CV758	1B4P	CV845	6AC5
CV550	25A6	CV618	83	CV759	1B5	CV846	6AC7
CV551	25L6	CV619	84	CV760	1B7	CV847	6AF5
CV552	25L6	CV624	804	CV764	1D5	CV848	6AG5
CV553	25L6	CV629	814	CV765	1D7	CV849	6AC7
CV554	D63	CV631	828	CV766	1E5GP	CV850	6AK5
CV555	25Z5	CV636	836	CV767	1F4	CV851	6B4
CV556	QP25	CV637	837	CV768	1F5G	CV852	6C4
CV557	D42	CV642	872A	CV769	1F6	CV854	6C7
CV558	25Z6	CV649	956	CV770	1F7	CV856	6G8
CV559	25Z6	CV650	958	CV771	1G5	CV858	6J6
CV560	TSP4	CV652	1603	CV772	1G6	CV859	6J8
CV561	35L6	CV653	1611	CV773	1G6	CV860	6K5
CV562	35L6	CV654	1612	CV774	1H4	CV861	6K5
CV563	DA30	CV655	1613	CV775	1LA6	CV862	6L5
CV564	35Z3	CV656	1616	CV776	1LB4	CV864	6P7
CV565	35Z3	CV657	1620	CV777	1LC5	CV865	6SD7
CV567	35Z5	CV658	1622	CV778	1LC6	CV866	6SJ7Y
CV568	35Z5	CV659	1625	CV779	1LD5	CV867	6SR7
CV569	ECC35	CV660	6AC7	CV780	1LH4	CV870	6V7
CV571	50L6	CV661	6AB7	CV781	1LN5	CV871	6Z5
CV572	6X5	CV664	9002	CV782	1R5	CV872	6Z7
CV573	6X5	CV665	9003	CV783	1S4	CV873	6ZY5
CV574	6X5	CV666	9004	CV784	1S5	CV875	1642
CV575	5U4	CV667	9005	CV785	1T4	CV876	7A6
CV578	6A8	CV668	35T	CV786	1T5	CV877	7A7
CV579	6A8	CV684	274B	CV787	2A7	CV878	7A8
CV580	6A8	CV687	446B	CV792	2C22	CV879	7B4
CV581	6C5	CV688	2C43	CV794	2D2	CV880	7B5
CV582	6C5	CV692	0Z4	CV795	2D4A	CV881	7B5
CV583	6C5	CV694	12SG7	CV796	2D13C	CV882	7B6
CV585	6C6	CV697	12SJ7	CV797	2D21	CV883	7B8
CV586	EL37	CV698	12SJ7	CV802	2C26	CV885	7C5
CV587	6Q7	CV700	12SR7	CV803	2V3	CV886	7C5
CV588	6Q7	CV703	12K8	CV804	2V3	CV887	7C6
CV589	6Q7	CV705	1D5GP	CV805	50Y6	CV888	7D7
CV590	6SJ7	CV706	6U7	CV807	3A4	CV889	7D8
CV591	6SJ7	CV709	72	CV808	3A5	CV890	7E5
CV592	6SJ7	CV711	32	CV811	1291	CV891	7E6
CV593	GZ32	CV712	38	CV812	3B24	CV892	7E7
CV594	6SH7	CV716	8013A	CV815	3D6	CV893	7F7
CV595	6SH7	CV717	5R4GY	CV818	3Q4	CV894	7G7
CV597	2X2A	CV723	1619	CV819	3Q5	CV895	7H7
CV599	1851	CV724	816	CV820	3S4	CV896	7K7
CV603	10	CV726	35Z3	CV824	4THA	CV897	7J7
CV604	30	CV728	1P5GT	CV825	4SHA	CV898	7N7
CV606	37	CV729	5V4	CV826	4THA	CV899	7Q7
CV608	41	CV730	6A3	CV828	4TPB	CV900	7R7
CV609	42	CV731	6F6	CV829	4TPB	CV901	7Y4
CV610	45	CV747	6AC7	CV830	4TSP	CV902	7W7
CV611	56	CV750	01A	CV833	89	CV908	12A5
CV612	57	CV753	1A3	CV837	12C8	CV909	12A7
CV613	58	CV754	1A4P	CV841	5U4	CV910	12A8
CV614	75	CV755	1A5	CV842	5W4	CV911	12B8
CV615	76	CV756	1A5	CV843	6AB5	CV916	12H6

Service No.	Civilian No.	Service No.	Civilian No.	Service No.	Civilian No.	Service No.	Civilian No.
CV917	I2J7	CVI051	Pen220A	CVI133	V960	CVI266	UI5
CV918	I2K7	CVI052	EL32	CVI134	HVR2	CVI267	U4020
CV919	I2SF5	CVI053	EF39	CVI135	EI148	CVI268	5Y3
CV920	I2SF5	CVI054	EB34	CVI136	EF54	CVI280	6L7
CV921	I2SF7	CVI055	EBC33	CVI137	EC52	CVI281	KTW61
CV922	I2SH7	CVI056	EF36	CVI151	PM3	CVI282	MSP4
CV923	I2SJ7	CVI057	EK32	CVI152	PM4DX	CVI283	SP4
CV924	I2SL7	CVI059	955	CVI153	PM254	CVI284	MS/Pen
CV925	I2SN7	CVI060	807	CVI154	PM4DX	CVI285	6N7
CV927	I2Z3	CVI061	DET19	CVI156	DEQ	CVI286	6L6
CV929	I3SPA	CVI064	UI2/I4	CVI158	PM14	CVI288	244V
CV930	I4F7	CVI065	SP61	CVI159	PM14	CVI289	I561
CV931	I5	CVI066	P61	CVI160	I04V	CVI290	SU2150A
CV932	2C40	CVI067	6J5	CVI161	I04V	CVI291	HVR2
CV934	I5R	CVI071	U52	CVI163	PD220A	CVI296	MUI4
CV936	24A	CVI072	GU50	CVI164	ACSG	CVI300	I0D1
CV937	25A7	CVI073	H63	CVI165	VMS4	CVI301	6H6
CV938	25AC5	CVI074	6J7	CVI166	P220	CVI302	D42
CV939	25B6	CVI075	KT66	CVI167	PM24A	CVI303	PMIHF
CV940	25B8	CVI077	EM31	CVI168	PX4	CVI304	LP2
CV942	25Y5	CVI078	DI	CVI169	VMP4G	CVI305	4DI
CV943	26	CVI079	KT8	CVI170	D41	CVI306	HL23DD
CV944	27	CVI080	4307A	CVI171	AT4	CVI307	PMILF
CV945	28D7	CVI081	4052A	CVI172	VMP4G	CVI308	TDD2A
CV946	28D7	CVI082	220TH	CVI173	354V	CVI309	4019B
CV947	31	CVI083	210VPT	CVI174	KT42	CVI310	KCI
CV948	32L7	CVI088	832	CVI175	AP4	CVI311	B406
CV949	33	CVI091	EF50	CVI176	AP4	CVI312	220RC
CV995	6AJ5	CVI092	EA50	CVI177	4D1	CVI313	220LF
CV996	EL32	CVI095	954	CVI178	DA30	CVI316	4021B
CVI000	4D1	CVI099	X66	CVI179	ML4	CVI318	VS24
CVI001	SU2150A	CVI100	KTW62	CVI180	244V	CVI319	PMI2V
CVI002	EI192	CVI101	MHLD6	CVI181	KT41	CVI320	SP2
CVI018	215SG	CVI102	BL63	CVI182	H42	CVI321	9D2
CVI019	PM2	CVI103	Y63	CVI183	W42	CVI322	SP2100
CVI020	220P	CVI104	PT15	CVI186	6F6	CVI323	VP2
CVI021	210LP	CVI105	ML6	CVI187	D41	CVI324	SP4
CVI022	220PA	CVI106	9D2	CVI188	N43	CVI325	42MPT
CVI023	230XP	CVI107	I5D2	CVI189	AC6Pen	CVI326	AC4Pen
CVI027	210LF	CVI108	8D2	CVI190	ACP4	CVI327	Pen1340
CVI028	220VSG	CVI109	4D1	CVI191	KTZ41	CVI328	7D8
CVI032	220B	CVI111	V1907	CVI192	Z62	CVI329	PenA4
CVI035	QP21	CVI113	UI7	CVI193	X65	CVI330	TSP4
CVI036	220PA	CVI116	V872	CVI194	20A1	CVI331	VP23
CVI037	MH4	CVI117	41MTL	CVI195	KTW63	CVI332	VP21
CVI038	MHL4	CVI118	KT2	CVI196	AC5PenDD	CVI333	2201PT
CVI039	I561	CVI119	DDL4	CVI198	ACP4	CVI334	KT24
CVI040	PX25	CVI120	SU2150A	CVI208	PM256	CVI335	SP41
CVI041	PMI2M	CVI122	41MXP	CVI220	4033A	CVI336	SP42
CVI042	210LF	CVI123	EF8	CVI237	PM24D	CVI337	I16/Pen
CVI043	210PG	CVI124	MS/Pen	CVI238	PM24D	CVI338	220VPT
CVI044	210DDT	CVI125	MS/PenB	CVI246	PM202	CVI340	KT44
CVI045	X56	CVI126	4SH	CVI262	GUI	CVI341	MSP4
CVI046	PT25H	CVI127	Pen46	CVI263	RGI—125	CVI342	QP25
CVI049	210SPT	CVI129	MS/Pen	CVI264	UI8	CVI343	KTZ73
CVI050	HL2	CVI130	HL23	CVI265	UI5	CVI344	TP22

Service No.	Civilian No.	Service No.	Civilian No.	Service No.	Civilian No.	Service No.	Civilian No.
CVI345	TP25	CVI503	KT33C	CVI800	IA7	CVI899	6L18
CVI347	ECH35	CVI504	VI901	CVI802	IA7	CVI900	6D6
CVI356	U22	CVI505	MH4I	CVI803	IC5	CVI901	6F1I
CVI359	ME4I	CVI508	VI913	CVI805	IC5	CVI902	6D8
CVI366	V248A	CVI510	EI242	CVI806	ID5	CVI906	6E5
CVI367	2V45	CVI569	R3	CVI811	ID8	CVI908	6F5
CVI368	V266	CVI570	EK 32	CVI812	IE7	CVI909	6F5
CVI369	4061A	CVI574	SP4I	CVI815	6Q5	CVI910	6F5
CVI370	PVI-35	CVI576	KT38	CVI816	6Y3	CVI911	6F6
CVI401	CL33	CVI577	EI143	CVI817	IG4	CVI912	6F6
CVI402	CY3I	CVI578	EF50	CVI818	IH5	CVI915	6F7
CVI403	DD4I	CVI579	954	CVI819	6P5	CVI917	6F8
CVI404	EF36	CVI622	4052A	CVI820	IH5	CVI918	6F8
CVI406	HL4I	CVI640	4002D	CVI821	IN5	CVI919	6F4
CVI407	Pen45	CVI642	DER	CVI823	IN5	CVI920	6LD20
CVI408	P4I	CVI653	KCI	CVI824	IQ5	CVI921	U24
CVI409	SP2	CVI655	4019B	CVI825	KT45	CVI926	6G6
CVI410	TH2	CVI657	4020B	CVI826	IQ5	CVI927	BI42
CVI411	TH4I	CVI659	4022B	CVI829	IT5	CVI928	I2BA6
CVI412	TV4	CVI663	4021B	CVI831	2A3	CVI929	6H6
CVI413	UU6	CVI664	B406	CVI834	2A5	CVI930	6H6
CVI414	VP4I	CVI671	4021A	CVI835	2B28	CVI931	6H6
CVI415	4011A	CVI691	DDL4	CVI836	4B26	CVI932	6J5
CVI418	I0DI	CVI695	DH30	CVI837	2B7	CVI933	6J5
CVI419	I1D3	CVI696	B2I	CVI838	QQZ04-15	CVI934	6J5
CVI423	9D2	CVI697	X4I	CVI839	6F13	CVI935	6J7
CVI424	20A1	CVI701	XL0	CVI846	5T4	CVI936	6J7
CVI425	7D5	CVI702	XP	CVI847	19H4	CVI937	6J7
CVI426	EK2	CVI715	EBC3	CVI849	5W4	CVI938	6K6
CVI427	EF9	CVI718	ACTP	CVI850	6LI9	CVI940	6K6
CVI428	EBC3	CVI727	Z22	CVI851	5X4	CVI941	6K7
CVI429	EL2	CVI732	ML4	CVI852	5X4X	CVI942	6K7
CVI430	ACSP3	CVI751	34	CVI853	6P25	CVI943	6K7
CVI433	EC3I	CVI752	35	CVI854	5Y3	CVI944	6K8
CVI434	EM4	CVI753	35A5	CVI855	UU9	CVI945	6K8
CVI436	HL2	CVI755	I626	CVI856	5Y3	CVI946	6K8
CVI437	EI143	CVI756	I629	CVI857	5Y4	CVI947	6L6
CVI438	KT6I	CVI757	900I	CVI861	5Z3	CVI948	6L6
CVI443	RI	CVI758	IL4	CVI862	6AQ5	CVI950	6L7
CVI444	42SPT	CVI759	2C26A	CVI863	5Z4	CVI951	6L7
CVI445	40I2A	CVI762	6AK6	CVI864	5Z4	CVI953	6N6
CVI447	4030C	CVI763	6J4	CVI865	EC8I	CVI954	6N6
CVI448	4043C	CVI769	2A6	CVI867	6A6	CVI956	6N7
CVI454	225DU	CVI770	7A4	CVI870	6A7	CVI957	6N7
CVI456	Pen383	CVI771	39	CVI873	6AB7	CVI958	6N7
CVI457	VPI33	CVI772	47	CVI876	1852	CVI960	6R6
CVI458	4IMP	CVI773	82	CVI878	6AD7	CVI962	6R7
CVI459	MU2	CVI774	I12A	CVI882	6AG7	CVI963	6R7
CVI460	X4I	CVI775	36	CVI884	33A/I58M	CVI964	6R7
CVI461	U22	CVI776	6D7	CVI885	6B5	CVI966	6SA7
CVI463	CBL3I	CVI777	7C7	CVI886	EC80	CVI967	6SA7
CVI464	EF39	CVI784	6AK7	CVI887	6B6	CVI969	6SC7
CVI468	SP4	CVI790	7Z4	CVI891	6B7	CVI970	6SC7
CVI469	Z22	CVI794	959	CVI893	6B8	CVI971	IT4
CVI501	EI192	CVI796	DW4	CVI894	6B8	CVI972	6SF5
CVI502	KT32	CVI797	4081A	CVI896	6C8	CVI973	6SF5

Service No.	Civilian No.	Service No.	Civilian No.	Service No.	Civilian No.	Service No.	Civilian No.
CV1974	6S7	CV2504	41MHL	CV2603	274A	CV2860	AZ1
CV1975	6S7	CV2505	41MPG	CV2616	314A	CV2861	AZ2
CV1977	UL41	CV2506	41MPT	CV2630	351A	CV2862	AZ31
CV1978	6SG7	CV2507	1U4	CV2640	405BU	CV2864	B21
CV1979	61BT	CV2508	41STH	CV2643	2C40	CV2865	B30
CV1980	185BT	CV2509	41FP	CV2644	460BU	CV2874	1005
CV1981	6SK7	CV2510	1Z2	CV2645	R1	CV2875	CL4
CV1982	6SK7	CV2511	420T	CV2659	3D21A	CV2887	DAC1
CV1985	6SL7	CV2512	420TDD	CV2662	5639	CV2889	DD620
CV1988	6SN7	CV2514	43	CV2678	5799	CV2890	DDT
CV1989	SD6	CV2516	2C39a	CV2679	866Jr	CV2891	DE5
CV1990	6SQ7	CV2517	2E30	CV2690	904V	CV2892	DE5B
CV1991	6SQ7	CV2518	4B32	CV2698	5896	CV2907	DFI
CV1993	6SS7	CV2519	4X150A	CV2699	6088	CV2909	DH73
CV1995	6S7	CV2520	5C22	CV2700	957	CV2910	DK1
CV1996	6ST7	CV2521	6AH6	CV2701	958A	CV2911	DL2
CV1999	IV	CV2522	6AS6	CV2704	7E5	CV2912	DL63
CV2000	EF91	CV2523	6AS7G	CV2705	1203	CV2920	E1148
CV2001	EF91	CV2524	6AU6	CV2706	7C4	CV2925	EBF2
CV2002	7D9	CV2525	6AV6	CV2707	1231	CV2926	EBL31
CV2003	7D9	CV2527	6BA7	CV2709	1R4	CV2929	ECH3
CV2004	6AL5	CV2529	451U	CV2710	3D6	CV2930	ECH33
CV2005	6AL5	CV2530	45Z5	CV2712	1609	CV2938	EL33
CV2007	12AU7	CV2531	46	CV2713	1610	CV2940	EL36
CV2011	12AU7	CV2532	49	CV2714	1614	CV2941	EL50
CV2101	DF72	CV2533	50	CV2715	1630	CV2954	FC2A
CV2102	DL75	CV2534	50L6	CV2716	6SC7	CV2955	FC4
CV2103	DF73	CV2535	53	CV2717	1729	CV2956	FC13C
CV2104	DAF70	CV2536	53A	CV2718	1876	CV2959	3B21
CV2106	DL66	CV2537	55	CV2721	EL81	CV2967	8020
CV2107	DF66	CV2538	59	CV2726	EL83	CV2977	H2
CV2115	E2004	CV2541	71A	CV2729	EF80	CV2978	H12
CV2127	7D10	CV2542	72	CV2735	4015A	CV2979	H30
CV2128	ECH81	CV2543	73	CV2743	4033AF	CV2981	H410
CV2129	5763	CV2544	78	CV2747	6U5G	CV2982	H610
CV2130	TT16	CV2545	79	CV2769	9006	CV2985	HD24
CV2135	8D5	CV2546	81	CV2800	A40	CV2991	HL2
CV2136	6BW6	CV2547	83V	CV2806	AC/2HL	CV2994	HL23
CV2179	E2134	CV2548	84	CV2807	AC2HL	CV2995	HL23DD
CV2210	5544	CV2549	85	CV2808	AC2Pen	CV2996	HL41DD
CV2212	13D3	CV2556	117L7	CV2809	AC5Pen	CV2998	HL133
CV2214	3B/240M	CV2557	117N7	CV2811	AC/HL	CV2999	HL133DD
CV2220	5B/257M	CV2558	117Z6	CV2812	AC/HL	CV3500	HL210
CV2231	E2266	CV2562	164V	CV2813	AC/HLDD	CV3501	HL610
CV2237	1AD4	CV2569	210DET	CV2815	ACP	CV3502	HL1320
CV2238	5672	CV2570	210HF	CV2819	AC/S	CV3503	HLDD1320
CV2239	5676	CV2571	210HL	CV2820	AC/SPI	CV3505	HY114B
CV2240	3B4	CV2574	210VPA	CV2822	AC/SG	CV3506	HY615
CV2245	33/160E	CV2575	5670	CV2823	AC/SP3	CV3515	KB2
CV2254	5678	CV2578	5687	CV2824	AC/SPen	CV3516	KK2
CV2259	DL68	CV2581	220OT	CV2829	293A	CV3519	KT30
CV2277	E2221	CV2582	220VS	CV2830	AC/THI	CV3520	KT31
CV2500	35Z4	CV2585	39	CV2832	AC/VP2	CV3527	KTW73
CV2501	40	CV2586	240B	CV2833	AF3	CV3529	KTZ41
CV2502	41FP	CV2594	258B	CV2836	APP4G	CV3530	KTZ73
CV2503	41MH	CV2600	267B	CV2837	APP4G	CV3531	L2

Service No.	Civilian No.	Service No.	Civilian No.	Service No.	Civilian No.	Service No.	Civilian No.
CV3532	L21	CV3735	TP26	CV 3892	AZ41	NR80	E1148
CV3533	L22DD	CV3743	U5	NR15	PM3	NR81	6K7
CV3534	L30	CV3744	U6	NR15A	PM4DX	NR82	X65
CV3538	L610	CV3747	U15	NR16	PM254	NR83	6J7
CV3546	MHD4	CV3750	U22	NR16A	PM4DX	NR84	20AI
CV3552	MPT4	CV3751	U21	NR22	PM14	NR85	6F6
CV3553	MS4B	CV3752	U30	NR23	PM14	NR86	KTW63
CV3554	MPT42	CV3753	U31	NR26	MHL4	NR87	AC5PenDD
CV3561	MS/Pen	CV3756	U600	NR27	104V	NR94	ACP4
CV3562	MSP41	CV3758	UR3C	NR27A	104V	NT20	PM256
CV3565	ME41	CV3759	R2	NR28	PM2	NT37	4033A
CV3567	MU1	CV3761	UU7	NR31	MH4	NT62	PM24D
CV3570	MU4250	CV3787	VP2	NR35	PD220A	NT62A	PM24D
CV3571	MVSPen	CV3788	VP4	NR37	ACSG	NT82	PM202
CV3572	MVSPenB	CV3790	VPI3C	NR38	VMS4	NU3	UI2/14
CV3573	MZ05-20	CV3792	VP23	NR39	PM22A	NU12	UI8
CV3576	MX40	CV3793	VP24	NR40	PM24D	NU13	UI5
CV3578	PM22D	CV3794	VP210	NR41	210VPT	NU13A	UI5
CV3582	VP4B	CV3795	VP215	NR42	P220	NU15	U4020
CV3587	705A	CV3796	VPI322	NR43	PM24A	NU17	UU5
CV3593	713A	CV3800	VS2	NR44	PX4	NU18	UI7
CV3594	717A	CV3802	VS24	NR45	VMP4G	NU20	U50
CV3601	7193	CV3803	VS24	NR46	D41	NU33	SU2150A
CV3620	P220	CV3804	W21	NR47	PX25	NU33A	HVR2
CV3621	P410	CV3805	W30	NR48	EBC33	VI 77	EM31
CV3622	P610	CV3806	W31	NR49	EF36	VI 103	Y63
CV3623	PA40	CV3810	WD30	NR50	AT4	VR18	215SG
CV3626	PenB4	CV3816	X21	NR51	VMP4G	VR19	PM2
CV3630	Pen44	CV3817	X21	NR52	354V	VR21	210LF
CV3631	Pen45DD	CV3818	X22	NR53	KT42	VR22	220PA
CV3633	Pen231	CV3819	X24	NR54	AP4	VR27	210LF
CV3634	Pen428	CV3820	X24	NR54A	AP4	VR28	220VSG
CV3635	Pen1340	CV3821	X31	NR55	4D1	VR32	220B
CV3636	Pen1346	CV3822	X31	NR56	DA30	VR35	QP21
CV3638	PenA4	CV3823	X41	NR57	ML4	VR37	MH4
CV3641	PM1HL	CV3825	X63	NR58	244V	VR38	MHL4
CV3642	PM1LF	CV3826	X65	NR59	KT41	VR40	PX25
CV3643	PM2A	CV3831	XL2	NR60	H42	VR41	PM12M
CV3645	PM2DX	CV3832	XP2	NR61	W42	VR43	210PG
CV3647	PM22A	CV3833	XSG2.OV	NR64	KTW62	VR44	210DDT
CV3648	PM24E	CV3834	XW2	NR65	MSP4	VR49	210SPT
CV3649	PM22	CV3836	Z21	NR66	D41	VR53	EF39
CV3656	PT425	CV3837	Z21	NR67	6L7	VR54	EB34
CV3658	PV1-35	CV3838	Z62	NR68	6Q7	VR55	EBC33
CV3691	S23	CV3839	Z66	NR69	Y63	VR56	EF36
CV3692	S23	CV3881	EB41	NR70	MS/Pen	VR57	EK32
CV3695	S215	CV3882	EBC41	NR71	MS/PenT	VR57A	EK32
CV3696	S215A	CV3883	EAF42	NR72	N43	VR59	955
CV3698	S610	CV3884	ECC40	NR73	6N7	VR65	SP61
CV3702	SG215	CV3885	EF40	NR74	PV1-35	VR65A	SP41
CV3703	SP4B	CV3886	EF41	NR75	ACP4	VR66	P61
CV3704	SPI3C	CV3887	EF42	NR76	KTZ41	VR67	6J5
CV3721	T4D	CV3888	ECH42	NR77	6L6	VR78	D1
CV3723	T41	CV3889	EL41	NR78	6C5	VR82	220TH
CV3726	TDD2A	CV3890	EL42	NR78A	L63	VR83	210VPT
CV3727	TDD4	CV3891	EZ40	NR79	Z62	VR91	EF50

Service No.	Civilian No.	Service No.	Civilian No.	American Army No.	Civilian No.	American Army No.	Civilian No.
VR91A	EF50	VT195	5Z4G	VT51	841	VT119	2X2
VR92	EA50	VT501	E1192	VT54	34	VT120	954
VR95	954	VT501A	E1192	VT55	865	VT121	955
VR95A	954	VU39	MU12/14	VT56	56	VT122	530
VR99	X66	VU64	U12/14	VT57	57	VT124	1A5
VR99A	ECH35	VU71	U52	VT58	58	VT125	1C5
VR100	KTW62	VU71A	U52	VT60	850	VT126	6X5
VR101	MHLD6	VU111	V1907	VT62	801	VT131	12SK7
VR102	BL63	VU113	U17	VT63	42	VT132	12K8
VR106	9D2	VU120	SU2150A	VT64	800	VT133	12SR7
VR107	15D2	VU120A	SU2150A	VT65	6C5	VT134	12A6
VR108	8D2	VU133	V960	VT65A	6C5G	VT135	12J5
VR109	4D1	VU134	HVR2	VT66	6F6	VT136	1625
VR109A	4D1	VU504	V1901	VT66A	6F6G	VT137	1626
VR116	V872	VU508	V1913	VT68	6B7	VT138	1629
VR117	41MTL	VW36	220PA	VT69	6D6	VT139	VR150-30
VR117A	41MTL	VW42	210LF	VT70	6F7	VT140	1628
VR118	KT2	VW48	215SG	VT72	842	VT141	531
VR119	DDL4			VT73	843	VT143	805
VR122	41MXP			VT74	5Z4	VT144	813
VR123	EF8	American Army No.	Civilian No.	VT75	75	VT145	5Z3
VR124	MS/Pen	VT1	203A	VT76	76	VT146	1N5GT
VR125	MS/PenB	VT2	205B	VT77	77	VT147	1A7
VR126	4SH	VT4B/C	211	VT78	78	VT148	1D8
VR129	MS/Pen	VT5	215A	VT80	80	VT149	3A8
VR130	HL23	VT6	212A	VT83	83	VT150	6SA7
VR135	E1148	VT7	WX12	VT84	84/6Z4	VT151	6A8
VR136	EF54	VT24	864	VT85	6K7	VT152	6K6
VR137	EC52	VT25	10	VT86	6K7	VT153	12C8
VR502	KT32	VT26	22	VT87	6L7	VT154	814
VR503	KT33C	VT27	30	VT88	6R7	VT161	12SA7
VR505	MH41	VT28	24	VT89	89	VT162	12SJ7
VT20	220P	VT29	27	VT90	6H6	VT163	6C8
VT23	230XP	VT30	01A	VT91	6J7	VT164	1619
VT23A	230XP	VT31	31	VT92	6Q7	VT165	1624
VT45	X56	VT33	33	VT93	6B8	VT167	6K8
VT46	PT25H	VT34	207	VT94	6J5	VT168A	6Y6
VT50	HL2	VT35	35/51	VT95	2A3	VT169	12C8
VT51	Pen220A	VT36	36	VT96	6N7	VT170	1E5GP
VT52	EL32	VT37	37	VT97	5W4	VT171	1R5
VT60	807	VT38	38	VT98	6U5/6G5	VT172	1S5
VT60A	807	VT39	869	VT99	6F8	VT173	1T4
VT61	DET19	VT39A	869A	VT100	807	VT174	3S5
VT61A	TVO3-10	VT40	40	VT101	837	VT175	1613
VT73	6F5	VT41	851	VT103	6SQ7	VT176	6AB7
VT74	6J7	VT42	872	VT104	12SQ7	VT177	1LH4
VT75	KT66	VT43	845	VT105	6SC7	VT178	1LC5
VT75A/B	KT44	VT44	32	VT106	803	VT179	1LN5
VT79	KT8	VT45	45	VT107	6V6	VT180	3LF4
VT80	4307A	VT46	866	VT108	450TH	VT181	7Z4
VT81	4052A	VT46A	866A	VT109	2051	VT182	3B7
VT88	832	VT47	47	VT112	6AC7	VT183	1R4
VT104	PT15	VT48	41	VT114	5T4	VT184	VR90/30
VT105	ML6	VT49	39/44	VT115	6L6	VT185	3D6
VT127	Pen46	VT50	50	VT117	6SK7	VT187	575A
VT180	EF39			VT118	832	VT188	7E6

American Army No.	Civilian No.	American Army No.	Civilian No.	American Army No.	Civilian No.	American Army No.	Civilian No.
VT189	7F7	VT202	9002	VT215	6E5	VT241	7E5
VT190	7H7	VT203	9003	VT216	816	VT243	7C4
VT191	316A	VT204	HK24G	VT217	811	VT244	5U4
VT192	7A4	VT205	6ST7	VT221	305	VT247	6AG7
VT193	7C7	VT206A	5V4G	VT222	884	VT249	1006
VT194	7J7	VT207	12AH7	VT223	1H5	VT250	EF50
VT195	1005	VT208	7B8	VT224	RK34	VT264	3Q4
VT196	6W5	VT209	12SG7	VT225	307A	VT268	12SC7
VT197A	5Y3G	VT210	1S4	VT229	6SL7	VT269	717A
VT198A	6G6	VT211	6SG7	VT231	6SN7	VT287	815
VT199	6SS7	VT212	958	VT232	EL148	VT288	12SH7
VT200	VR105-30	VT213A	6L5	VT233	6SR7	VT289	12SL7
VT201	25L6	VT214	12H6	VT239	1LE3		

B.V.A. UTILITY EQUIVALENTS

B.V.A. No.	Civilian No.	B.V.A. No.	Civilian No.	B.V.A. No.	Civilian No.	B.V.A. No.	Civilian No.
132	HL23DD	162	Pen25	211	DW4/350	264	EL33
142	VP23	172	TP25	243	EF39	274	ECH35

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
AABI	023 110 980		4						D			8SC	DDD
AA6I	274 164 130		6	5.2	250		6	2.7	100		2.7	B8A	P
ABCI	023 198 060	G ₁	4	7	250		4	2	100		2	8SC	DDT
ABLI	023 198 560	G ₁	4	6	250	250	36	9	100	PenLF	9.0	8SC	DDP
ABI	902 310 000	D ₁	4						D			B5	DD
ACD	802 310 000		4						D			B5	D
ACDD	892 310 000		4						D			B5	DD
AC/DDT	809 231 600	G ₁	4	4	200		5	2.3	100		2.3	B7	DDT
AC/DX	642 310 000		4	3	200		5	3.5	100		3.5	B5	T
AC/G	642 310 000		4	7.5	200		8	2.7	100		2.7	B5	T
ACHF	642 310 000		4	3	200		3	2.5	100		2.5	B5	T
ACHL	642 310 000		4	4.5	250		7	3	100		3	B5	T
AC/HLDD	809 231 600	G ₁	4	3	200		4.9	2.6	100		2.6	B7	DDT
ACHLDDD	910 231 680	G ₁	4	3	200		4.9	2.6	100		2.7	B9	DDDT
ACHL4	642 310 000		4	5	250		5	3.3	100		3.3	B5	T
ACHL4DD	809 231 600	G ₁	4	3	250		7	2.5	100		2.5	B7	DDT
ACHM4	542 310 000	A	4		250	100	10	2.5	100	100	2.5	B5	P
AC/HP	041 231 500	A	4	2	200	100	4.2	3.2	100	100	3.2	B7	P
AC/HP	543 210 000	A	4	2	200	100	4.2	3.2	100	100	3.2	B5	P
ACHI	174 652 300	G ₁	4	2	150		5	2.0	100		2		
					75	75	2.5		80	75		C7	TH
ACH4	642 310 000		4	4	200		3	3.3	100		3.3	B5	T
AC/L	642 310 000		4	13.5	250		17	4.25	100		4.25	B5	T
AC/LP	642 310 000		4	14	200		18	4.25	100		4.25	B5	T
ACL4	642 310 000		4	15	250		9	4	100		4	B5	T
ACME4	642 310 000	S	4	16	250	250	26		100	PenLF		B5	P
ACP	642 300 000		4	21	200		19	3	100		3	B4	T
AC/P	642 310 000		4	13.5	200		17	2.75	100		2.75	B5	T
ACPN	642 350 000		4	12	250	200	22		100	PenLF		B5	P
ACPNDH	642 350 000		4	10	250	200	18		100	PenLF		B5	P
AC/PP	642 300 000		4	25	400		50	5	100		5	B4	T
ACPP	045 231 600		4	5.5	250	250	32		No Data Available			B7	P
AC/Pen	045 231 600		4	12	200	200	24	2.5	100	PenLF	2.5	B7	P
AC/Pen.	642 310 000	S	4	12	200	200	24	2.5	100	PenLF	2.5	B5	P
ACPT	642 310 000	S	4	8	250	200	31		100	PenLF		B5	P
ACPX4	642 310 000		4	18	250		30	4	100		4	B5	T
ACPX4a	642 300 000		4	25	250		50	5	100		5	B4	T
ACPI	642 310 000		4	28	200		24	2.3	100		2.3	B5	T
ACP4	042 310 000	A	4	1	100		7		100		7	B5	T
ACP4	642 310 000		4	20	250		20	4	100		4	B5	T
ACQ	045 231 600		4	22	400	250	57	6	100	PenLF	6	B7	P
ACQA	045 231 600		6	23	400	250		6	100	PenLF	6	B7	P
AC/SG	542 310 000	A	4	1.5	200	60	4.5	1.9	200	60	1.9	B5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
AC/SGVM	542 310 000	A	4	2	200	60	5.8	1.8	200	60	2	B5	P
AC/SH	542 310 000	A	4	1.5	200	75	7.4	3.5	200	75	3.5	B5	P
AC/SL	041 230 500	A	4	1	200	75	3.8	3.3	200	75	3.3	B7	P
AC/SL	061 230 500	G ₁	4	1	200	75	3.8	3.3	200	75	3.3	B7	P
AC/S2	542 310 000	A	4	1.5	200	75	7	4.3	200	60	3.4	B5	P
ACSPI	041 231 500	A	4	3	200	200	4.9	2.7	100	PenLF	2.7	B7	P
ACSP3	061 231 500	G ₁	4	1.7	250	100	7.9	7	200	100	7.5	B7	P
AC/SIVM	542 310 000	A	4	1.5	200	75	5.6	1.1	200	75	1.1	B5	P
ACS2Pen	041 231 500	A	4	1.5	250	100	8	4.6	200	100	5.5	B7	P
ACTHI	645 231 700	G ₁	4	{ 3	75		6.0	3.0	80		3		
					250	100	3	3.5	100	100	3.5	B7	TH
ACTHIA	217 640 530	G ₁	4	{ 3	75		6.0	3.0	80		3	MO8	TH
					250	100	3	3.5	100	100	3.5		
ACTP	571 231 640	G ₁	4	{ 3	150	0	1.5	1.4	100		1.4		
					250	200	5.5	1.6	100	PenLF	1.6	B9	TP
ACVG	542 310 000	A	4	0	200	75	5	3	200	75	3	B5	P
ACVH	542 310 000	A	4	1.5	200	75	9.3	3.3	200	75	3.3	B5	P
AC/VP	041 231 500	A	4	1.5	200	100	5.7	3	200	100	3	B7	P
AC/VP	542 310 000	A	4	1.5	200	100	5.7	3	200	100	3	B5	P
ACVPB	061 231 500	G ₁	4	1.5	250	250	12	4	250	200	4	B7	P
AC/VPI	041 231 500	A	4	2.8	250	200	7.4	2	100	PenLF	2	B7	P
AC/VP2	061 231 500	G ₁	4	2.8	250	200	7.4	2	100	PenLF	2	B7	P
AC/VP4	041 231 500	A	4		250	100	6	3	100	100	3	B7	P
ACVS	542 310 000	A	4	1.5	200	75	4.4	3	200	75	3	B5	P
ACVS4	542 310 000	A	4	2	250	50	6	2	200	60	2	B5	P
AC/Y	045 231 600		4	10	250	250	32	3.5	100	PenLF	3.5	B7	P
AC/Y	642 310 000	S	4	10	250	250	32	3.5	100	PenLF	3.5	B5	P
AC/YC	045 231 600		4	10	250	250	68	7.5	100	PenLF	7.5	B7	P
AC/YY	045 231 600		4	10	250	250	68		100	PenLF		B7	P
AC/Z	642 310 000	S	4	5.5	250	250	32	8	100	PenLF	8	B5	P
AC/Z	045 231 600		4	5.5	250	250	32	8	100	PenLF	8	B7	P
AC/ZDD	869 231 500	G ₁	4	5.5	250	250	32	8	100	PenLF	8	B7	DDP
AC2	023 100 060	G ₁	4	5.5	250		6	2.5	100		2.5	8SC	T
AC2DD	869 231 500	G ₁	4	5.5	250	250	32		100	PenLF		B7	DDP
AC2/HL	642 310 000		4	1.75	200		4.9	5	100		5	B5	T
AC2/Pen	045 231 600		4	5.3	250	250	32	8.5	100	PenLF	8	B7	P
AC2/PenDD	869 231 500	G ₁	4	5.3	250	250	32	8.5	100	PenLF	8	B7	DDP
AC3Pen	045 231 600		4	3	250	250	36	9	100	PenLF	9	B7	P
AC4/Pen	045 231 600		4	8.5	225	225	52	11	100	PenLF	10	B7	P
AC5/Pen	045 231 600		4	8.5	250	250	40	9.4	100	PenLF	9.4	B7	P
AC5/PenDD	869 231 500	G ₁	4	8.5	250	250	40	9.4	100	PenLF	9.4	B7	DDP
AC6/Pen	045 231 000	A	4	6.9	300	225	63	9.5	100	100	8.5	B7	P
AC/042	642 300 000		2	38	300		50	5	100		5	B4	T
AC/044	642 300 000		4	48	300		50	5	100		5	B4	T
AC/064	642 300 000		4	21	200		20	3	100		3	B4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
AC084	642 300 000		4	22	300		17	1.1	100		1.1	B4	T
AC084N	642 300 000		4	0	100			2.5	100		2.5	B4	T
AC104	642 310 000		4	10	150		8.5	3.5	100		3.5	B5	T
AD	281 300 000		6				60		REC		20mA	B4	R
ADI	023 004 060		4	45	250		60	6	100		6	8SC	T
ADI/350	023 004 060		4	66	350		84		100			8SC	T
ADG	642 310 000		20	10	200		10	3.5	100		3.5	B5	T
ADHF	642 310 000		20	3	200		5	3.5	100		3.5	B5	T
ADHP	041 231 500	A	20		200	100	5	2.8	200	100	2.8	B7	P
ADL	642 310 000		20	13	200		20	3	100		3	B5	T
ADPN	642 350 000		20	15	250	200	22		100	PenLF		B5	P
ADVHP	041 231 500	A	20		200	100	5.5	2.5	200	100	2.5	B7	P
AE	265 413 000		13	13.5	100	100	8.5	1.65	100	90	1.65	UX6	P
AF	281 300 000		2.5				120		REC		30mA	UX4	R
AF2	542 310 000	A	4	2	225	100	4.25	2.5	200	100	3.2	B5	P
AF3	023 110 560	G ₁	4	3	250	100	8	1.8	250	100	1.8	8SC	P
AF7	023 110 560	G ₁	4	2	250	100	3	2.1	250	100	2.1	8SC	P
AG	289 300 000		5				120		REC		30mA	UX4	RR
AG8	026 546 310		6	2	200	50	3.5		No Data Available			A08	O
AG495	642 310 000		4	4	200		4	2.5	100		2.5	B5	T
AG4100	642 300 000		4	3	150		5	2	125		2	B4	T
AH1	023 145 560	G ₁	4	2	250	75	3	1.8	200	75	1.8	8SC	P
AH100	023 145 560	G ₁	4	2.5	200	100	5.5	1.5	100	100	1.5	8SC	P
AH4105	542 310 000	A	4	2	200	125	4.5	2.3	100	100	2.3	B5	P
AK2	123 164 570	G ₁	4	$\begin{Bmatrix} 2 \\ 2 \end{Bmatrix}$	$\begin{Bmatrix} 100 \\ 250 \end{Bmatrix}$	$\begin{Bmatrix} 75 \\ 75 \end{Bmatrix}$	$\begin{Bmatrix} 4.2 \\ 4.3 \end{Bmatrix}$	$\begin{Bmatrix} 0.9 \\ 2.2 \end{Bmatrix}$	$\begin{Bmatrix} 90 \\ 100 \end{Bmatrix}$	$\begin{Bmatrix} 75 \\ 75 \end{Bmatrix}$	$\begin{Bmatrix} 0.9 \\ 2.0 \end{Bmatrix}$	$\begin{Bmatrix} 8SC \\ 8SC \end{Bmatrix}$	$\begin{Bmatrix} O \\ O \end{Bmatrix}$
AL1	023 004 560		4	15	250	250	36	2.8	100	PenLF	2.8	8SC	P
AL2	023 100 560	G ₁	4	25	250	250	36	2.6	100	PenLF	2.6	8SC	P
AL3	245 231 600		4	3	250	250	36	9	100	PenLF	9	B7	P
AL3	023 104 560		4	6.5	250	250	36	9.5	100	150	8	8SC	P
AL4	145 231 600		4	3	250	250	36	9	100	PenLF	9.5	B7	P
AL4	023 104 560		4	6.5	250	250	36	9.5	100	150	8	8SC	P
AL4/375	145 231 600		4	8	350	250	24		100	PenLF		B7	P
AL4/375	023 104 560		4	8	350	250	24		100	150		8SC	P
AL5	145 231 600		4	14	300	275	72	8.5	100	PenLF	7	B7	P
AL5	023 104 560		4	15	250	250	72	7	100	150	6	8SC	P
AL5/375	023 104 560		4	19.5	350	275	48		100	PenLF		8SC	P
AL60	041 231 500	A	4	7	250	250	72	14.5	100	PenLF	8.5	B7	P
AL495	642 310 000		4	12	250		20	4	100		4	B5	T
APP4A	045 231 600		4	16.5	250	250	36	3.5	100	PenLF	3.5	B7	P
APP4As	023 100 560	G ₁	4	16.5	250	250	36	3.5	100	PenLF	3.5	8SC	P
APP4B	045 231 600		4	5	250	250	32	10	100	PenLF	10	B7	P
APP4Bs	023 104 560		4	5	250	250	32	10	100	PenLF	10	8SC	P
APP4C	145 231 600		4	5	250	250	36	10	100	PenLF	10	B7	P
APP4D	145 231 600		4	16	250	250	72	7	100	PenLF	7	B7	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
APP4E	145 231 600	A G ₁	4	13.5	350	275	72	8.5	100	PenLF	8.5	B7	P
APP4E	023 104 560		4	13.5	350	275	72	8.5	100	PenLF	8.5	8SC	P
APP4G	041 231 500		4	6	250	250	36	10	100	PenLF	10	B7	P
APP4G	005 231 600		4	6	250	250	36	10	100	PenLF	10	B7	P
APP495	642 350 000		4	23	300	200	25	2	100	100	2	B5	P
APP4100	642 310 000	S	4	15	250	250	24	2.5	100	150	2.5	B5	P
APP4120	642 310 000	S	4	15	350	200	22	3.5	100	100	3.5	B5	P
APV4	892 300 000		4				60		REC		20mA	B4	RR
APV4100	892 300 000		4				60		Rec		20mA	B4	RR
APV4200	892 300 000		4				60		REC		20mA	B4	RR
AP495	642 310 000		4	1.5	200			2.5	5	150	5	B5	T
AR495	642 310 000	A	4	1	100				5	100	5	B5	T
AR4100	642 310 000		4	3	200		3	2	150		2	B5	T
AR4101	642 310 000		4	1	100			3	100		3	B5	T
AS494	542 310 000		4		200	100	15	1.5	100	100	1.5	B5	P
AS495	542 310 000		4	2	200	100	1	3.4	200	100	3.4	B5	P
AS4100	542 310 000	A	4	6	200	100	4	1.425	100	90	1.4	B5	P
AS4120	542 310 000	A	4	2	250	100	3	3	150	100	3	B5	P
AS4125	542 310 000	A	4	2	250	100	3	3	200	100	3	B5	P
AX	264 300 000		5	9	150		3	0.8	100		0.8	UX4	T
AX1	892 300 000		4				60		REC		20mA	B4	RR
AX50	892 300 000		4				120		REC		30mA	B4	RR
AZ1	023 080 090		4				30		REC		15mA	8SC	RR
AZ2	023 080 090		4				60		REC		20mA	8SC	RR
AZ3	023 180 090		4				60		REC		20mA	8SC	RR
AZ4	023 080 090		4				120		REC		30mA	8SC	RR
AZ21	288 039 920		2				30		Rec		17mA	A08	RR
AZ31	020 809 030		4				30		REC		15mA	A08	RR
AZ32	020 809 030		4				60		REC		20mA	A08	RR
AZ33	028 090 300		4				60		Rec		20mA	A08	RR
AZ41	*8**9 230		4				30		REC		10mA	B8A	RR
AZ50	023 080 090		4				120		REC		30mA	8SC	RR
A11A	892 300 000		4				60		REC		20mA	B4	RR
A11B	892 300 000		4				60		REC		20mA	B4	RR
A11C	892 300 000		4				60		REC		20mA	B4	RR
A11D	892 300 000	G ₁	4				60		REC		20mA	B4	RR
A20B	892 310 000		4						D			B5	DD
A23A	809 231 600		4	1	100			2.9	100		2.9	B7	DDT
A26	264 300 000		15	1.5	90		4.5	1.16	80		1.16	UX4	T
A27D	819 236 500		4	6	250	250	36	9.5	100	PenLF	9.5	B7	DDP
A28	264 300 000		15	1.5	90		7.5	1.16	90		1.16	UX4	T
A30	264 300 000		15	27	175		22	1.08	100		1.08	UX4	T
A30B	642 310 000		4	2	250		10	5.5	200		5.5	B5	T
A30D	642 310 000		4	3.5	200		6	2.4	100		2.4	B5	T
A32	264 300 000		15	3	150		1.5	0.94	150		0.94	UX4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
A36B	645 231 700	G ₁	4	{ 2	100	150	22	6	100	PenLF	6	B7	TH
A40	264 300 000		15		250		3.5		100				
A40M	254 130 000	A	4	40.5	175		21	1.5	100		1.5	UX4	T
A40M	542 310 000	A	4	1.5	200	100	3	2	200	100	3	UX5	P
A48	264 300 000		15	1.5	200	100	3	2	200	100	3	B5	P
				4.5	90		4.5	1.18	80		1.18	UX4	T
A50A	542 310 000	A	4	2	200	100	3	2.3	100	100	2.3	B5	P
A50A	040 231 500	A	4	2	200	100	3	2.3	100	100	2.3	B7	P
A50B	061 231 500	G ₁	4	1.5	250	250	6	3.5	200	200	3.5	B7	P
A50M	041 231 500	A	4	2	200	125	4.5	2.3	100	100	2.3	B7	P
A50M	542 310 000	A	4	2	200	125	4.5	2.3	100	100	2.3	B5	P
A50N	542 310 000	A	4	2	225	100	4.25	2.5	200	100	2.5	B5	P
A50N	041 231 500	A	4	2	225	100	4.25	2.5	200	100	2.5	B7	P
A50P	060 231 500	G ₁	4	3	250	250	11.5	2	100	PenLF	2	B7	P
A70B	642 310 000	S	4	25	250	250	36	2.6	100	PenLF	2.6	B5	P
A70B	045 231 600		4	25	250	250	36	2.6	100	PenLF	2.6	B7	P
A70C	045 231 600		4	3	250	250	36	9	100	PenLF	9	B7	P
A70D	045 231 600		4	3	250	250	36	9	100	PenLF	9	B7	P
A70D	642 350 000		4	5.8	250	250	36	9.5	100	150	8	B5	P
A70E	045 231 600		4	14	250	275	72	8.5	100	PenLF	8.5	B7	P
A70P	045 231 600		4	14.5	250	250	70		100	PenLF		B7	P
A80A	123 174 560	G ₁	4	{ 1.8	90	75	2		80	75		8SC	O
					250		1.6		100				
A80A	645 231 700	G ₁	4	{ 1.8	90	75	2		80	60			
					250	75	1.5		100	75		B7	O
A104	642 300 000		1.1	10	100		5	0.35	100		0.35	B4	T
A203	642 300 000		2	30	150		12	1.5	100		1.5	B4	T
A205	642 300 000		2	18	150		7	1.2	100		1.2	B4	T
A206	642 300 000		2	8.5	150		3.8		100		1	B4	T
A209	642 300 000		2	9	150		4	1.0	100		1.0	B4	T
A210	642 300 000		2	9	125		3	0.9	100		0.9	B4	T
A211	642 300 000		2	2	150		2	1.2	100		1.2	B4	T
A225	642 300 000		2	3	150		1	1.0	100		1.0	B4	T
A235	042 300 000	A	2	0	150	20	1.5	0.4	150	No Data Available	0.4	B4	T
A241	642 300 000	S	2	2	20		1.2	1.0	No			B4	P
A242	265 300 000	G ₁	2	3	125	75	1.7	0.6	100	75	0.6	UX4	P
A404	642 300 000		4	10	100		4	0.45	100		0.45	B4	T
A406	642 300 000		4	9	150		6	0.45	100		0.45	B4	T
A408	642 300 000		4	4	150		4	1.5	100		1.5	B4	T
A409	642 300 000		4	9	150		3.5	0.9	100		1.2	B4	T
A410	642 300 000		4	3	150		3.5	0.5	100		1.2	B4	T
A410	264 300 000		4	3	150		3.5	0.5	100		1.2	UX4	T
A410N	642 300 000		4	3	150		3.5	0.5	100		0.5	B4	T
A411	642 300 000		4	3	200		6	2.5	150		2.5	B4	T
A414K	642 300 000		4	4.5	150		4	2	100		2	B4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
A415	642 300 000		4	4	150		4	1.5	100		2	B4	T
A416	642 300 000		4	4.5	150		4	2	100		2	B4	T
A420	642 300 000		4	4	150		4	1.5	100		1.5	B4	T
A425	642 300 000		4	2.5	200		0.25	1.2	100		1.2	B4	T
A430	642 300 000		4	3	200		6	2.5	150		2.5	B4	T
A430	042 300 000	A	4	0	150		1.5	0.5	150		0.5	B4	T
A435	642 300 000		4	1	150		2.1	0.5	150		0.5	B4	T
A440N	642 310 000		4	1.6	200		0.2	2.2	150		2.2	B5	T
A442	542 300 000	A	4	1	200	100	4	0.7	200	100	0.8	B4	P
A442	254 300 000	A	4	1	200	100	4	0.7	200	100	0.8	UX4	P
A557	602 310 000	G ₁	4	8	150		28	2	100		2	B5	T
A600	642 300 000		6	9	150		4	1.5	100		1.5	UX4	T
A609	642 300 000		6	9	150		4	1.5	100		1.5	B4	T
A615	642 300 000		6	4.5	150		4	2.4	100		2.4	B4	T
A630	642 300 000		6	1.5	150		0.7	1.5	150		1.5	B4	T
A635	642 300 000		6	1	150		1.2	1.5	150		1.5	B4	T
A642	542 300 000	A	6	1	200	100		0.7	200	100	0.7	B4	P
A802	642 310 000		4	3	100		2.5	2.5	100		2.5	B5	T
A863	026 500 310	G ₁	6	3	250	100	2	1.23	100	100	1.2	A08	P
AI685M	026 510 310	G ₁	6	3	125	100	8	3.2	100	100	3.2	A08	P
AI820	265 004 130		6		250	250	40	10.5	100	PenLF	9	B8B	P
A4090	642 310 000		4	3.5	250		6	2.4	150		2.4	B5	T
BA2	446 230 700		2	0	150		1.5		150			B7	TT
BB1	902 310 000	D ₁	16						D			B5	DD
BBC12	682 390 000	G ₁	2	4.5	150		2.5	1.5	100		1.5	B5	DDT
BB220A	446 230 700		2	3	150		4		100			B7	TT
BB240	446 230 700		2	0	150		5.4		100			B7	TT
BF1	642 300 000		4	15	150		8	1.3	100		1.3	B4	T
BF61	261 054 130		6	7	250	250	36	10	100	150	8	B8A	P
BF62	261 054 130		6	10	225	225	26	3.2	100	150	3.2	B8A	P
BF451	261 054 130		45	9	175	175	54.5	9.5	100	100	7	B8A	P
BL2	652 310 000	G ₁	30	20	200	100	40	3	100	90	3	B5	P
BL63	027 146 310	G ₁	6	16	250		14	4.2	100		4.2	A08	TT
BVW3	642 350 000		2	4.5	150	125	6	2.2	100	100	2.2	B5	P
BVW602	642 300 000		2	12	150		12	3.4	100		3.4	B4	T
BW1304	642 300 000		2	6	150		6	3.2	100		3.2	B4	T
BX2	446 230 700		2	0	175		2.5		100			B7	TT
BX604	642 300 000		2	12	150		8	1.5	100		1.5	B4	T
B2	642 300 000		2	2	125		2	1.2	100		1.2	B4	T
B7	642 300 000		6		125		8	0.67	100		0.67	B4	T
B11	642 300 000		6		200		20	1.4	100		1.4	B4	T
B21	447 230 600		2	6	150		2.2		100			B7	TT
B22	446 230 700		2		150		5		150			B7	TT
B23	642 300 000		2		125		4	0.75	100		0.75	B4	T
B24	446 230 700		2	0	150		7		100			B7	TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
B30	447 231 600		13	0	175				100			B7	TT
B36	471 461 230		13	8	250			2.6	100		2.6	A08	TT
B63	264 147 300		6	5	250		6	3.1	200		3.1	UX7	TT
B65	471 461 230		6	9	250		9	2.6	100		2.6	A08	TT
B203	642 300 000		2	26	150		11	1.5	100		1.5	B4	T
B204	264 300 000		2	22.5	125		8	0.9	100		0.9	UX4	T
B205	642 300 000		2	18	150		7	1.2	100		1.2	B4	T
B217	642 300 000		2	4.5	150		3	1.3	100		1.3	B4	T
B228	642 300 000		2	2	150		2	1.2	100		1.2	B4	T
B230	446 230 700		2	1	150		5.5		150			B7	TT
B240	470 642 300		2	0	150		15		150			C7	TT
B242	542 300 000	A	2	0	200	75	4.5	1.1	100	75	1.1	B4	P
B242	254 300 000	A	2	0	200	75	4.5	1.1	100	75	1.1	UX4	P
B255	542 300 000	A	2	1	150	100	1.8	1.2	150	100	1.2	B4	P
B255	254 300 000	A	2	1	150	100	1.8	1.2	150	100	1.2	UX4	P
B262	542 300 000	A	2	1	150	100	1.8	1.3	150	100	1.3	B4	P
B342	265 300 000	G ₁	2	2.5	150	75	4	1.3	150	75	1.3	UX4	P
B403	642 300 000		4	30	150		15	1.5	100		1.5	B4	T
B405	642 300 000		4	18	150		11	1.6	100		1.6	B4	T
B406	642 300 000		4	15	150		8	1.4	100		1.4	B4	T
B406	264 300 000		4	15	150		8	1.3	100		1.3	UX4	T
B409	642 300 000		4	16	250		12	2	100		2	B4	T
B415	642 300 000		4	4.5	150		3	2	100		2	B4	T
B424	642 300 000		4	2.3	200		6	2.5	150		2.5	B4	T
B424S	642 300 000		4	3	200		6	2.5	100		2.5	B4	T
B425	642 300 000		4	4.5	150		3	2	100		2	B4	T
B438	264 300 000		4	2.5	200		0.2	2	150		2	UX4	T
B438	642 300 000		4	2.5	200		0.2	2	150		2	B4	T
B438S	642 300 000		4	1.5	200		2	2	150		2	B4	T
B442	542 300 000	A	4	1	200	100	4.5	0.9	200	100	0.9	B4	P
B442M	542 300 000	A	4	1	200	100	4.5	0.9	100	100	0.9	B4	P
B442M	254 300 000	A	4	1	200	100	4.5	0.9	100	100	0.9	UX4	P
B442S	542 300 000	A	4	1	200	100	4.5	0.91	100	100	0.9	B4	P
B443	642 350 000		4	17	200	150	12	1.2	100	PenLF	1.2	B5	P
B443S	642 350 000		4	12	250	75	12	1.6	100	60	1.6	B5	P
B491	642 310 000		4	1.5	200		4	4	150		4	B5	T
B543	642 350 000		5	15	200	150	12	1.3	150	100	1.3	B5	P
B543(S)	642 350 000		5	15	200	150	12	1.3	150	100	1.3	B5	P
B605	642 300 000		6	18	150		9	1.8	100		1.8	B4	T
B609	642 300 000		6	18	250		12	1.8	100		1.8	B4	T
B2006	642 310 000		20	18	200		15	1.6	100		1.6	B5	T
B2038	642 310 000		20	3	200		6	2.3	100		2.3	B5	T
B2041	602 300 000	G ₁	20	1	100		2.5	0.1	100		0.1	B4	T
B2042	542 310 000	A	20	2	200	60	4	1	100	60	1	B5	P
B2043	642 310 000	S	20	18	200	200	20	1.7	100	100	1.7	B5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
B2044S	642 310 000	D ₁	20	3	200		6	1·8	100		1·8	B5	DT
B2045	542 310 000	A	20	2	200	60	4	1	150	60	1	B5	P
B2046	542 310 000	A	20	2	200	100	3	2·2	150	100	2·2	B5	P
B2047	542 310 000	A	20	2	200	100	4	2	150	100	2	B5	P
B2055	542 310 000	A	20	1·5	200	100	3	2	100	100	2	B5	P
B2052T	542 310 000	A	20	2	200	100	3	2	150	100	2	B5	P
B2099	642 310 000		20	1·6	200		0·08	3	150		3	B5	T
CBCI	023 198 060	G ₁	13	7	250		4	2	100		2	8SC	DDT
CBLI	023 189 560	G ₁	44	8·5	200	200	45	8	100	PenLF	7	8SC	DDP
CBL6	023 198 560	G ₁	44	8	100	100	45	6	100	75	6	8SC	DDP
CBL31	026 985 310	G ₁	44	8·5	200	200	45	8	100	PenLF	7	A08	DDP
CB215	446 230 700		2	1	150		15	1·7	100		1·7	B7	TT
CB215S	023 064 470		2	1	150		12	1·7	100		1·7	8SC	TT
CB220	446 230 700		2	3	150		15		100			B7	TT
CCHI	023 164 570	G ₁	20	{ 10 2	200 200	50	2·5 2	2·3	100 100		2·3	8SC	TH
CCH35	027 546 310	G ₁	7·5	{ 2 2	100 250	100	5·4 5	2·2 2·4	100 200		2·8 4	A08	TH
CCI	023 200 060	G ₁	13	3·7	200		2·6	2	150		2	8SC	T
CC2	023 100 060	G ₁	13	5·5	250		6	2·5	200		2·5	8SC	T
CE230	320 200 000	D ₁	2·5				30		REC		15mA	UX4	R
CFI	023 110 560	G ₁	13	2	200	100	3	2·3	100	100	2·3	8SC	P
CF2	023 110 560	G ₁	13	2	200	100	4·5	2·2	100	100	2·2	8SC	P
CF3	023 110 560	G ₁	13	2	100	75	7·5	2·1	100	75	2·1	8SC	P
CF7	023 110 560	G ₁	13	2	100	100	3	2·1	100	100	2·1	8SC	P
CF50	123 100 560	G ₁	30	2	100	100	1·5	3·3	100	100	3·3	8SC	P
CHI	023 145 560	G ₁	13	2	250	75	3	1·8	200	75	1·8	8SC	P
CKI	023 154 560	G ₁	13	1·5	200	90	8	3	200	75	1·6	8SC	P
CK1007	008 092 030		1				60		REC		20mA	A08	RR
CLI	023 100 560	G ₁	13	14	200	200	25	2·5	100	PenLF	2·5	8SC	P
CL2	023 100 560	G ₁	24	15	100	100	50	3·8	200	75	3·8	8SC	P
CL3	160 452 300		35	9·5	200	200	40	5·5	150	100	5	C7	P
CL4	023 100 560	G ₁	33	8·5	200	200	45	8	100	PenLF	7	8SC	P
CL6	023 100 560	G ₁	35	9·5	200	100	45	8	100	90	7	8SC	P
CL33	026 540 310		33	8·5	200	200	45	8	100	100	7	A08	P
CV135	812 380 000		6				60		Rec		23mA	B7G	R
CV137	812 314 600		6	3	200		7·5	2·5	100		2·5	B7G	DT
CV139	412 314 600		6	1·5	250		10	9	100		6	B7G	T
CV1510	265 501 403		6		400	250	30	3	100	150	3	B9G	P
CYI	023 100 080		20				120		REC		23mA	8SC	R
CY2	123 190 080		30				60		REC		20mA	8SC	RR
CY2I	208 001 003		25				120		REC		23mA	B9G	R
CY3I	020 080 310		20				120		REC		30mA	A08	R
CY32	029 180 310		30				60		REC		23mA	A08	RR
C9	642 300 000		4	9	150		3·5	0·9	100		0·9	B4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
C10B	023 100 080		20				75		REC		23mA	8SC	R
C10B	802 310 000		20				60		Rec		23mA	B5	R
C20C	982 310 000		13						D			B5	DD
C23B	809 231 600	G ₁	13	5	200		4	2	100		2	B7	DDT
C25	642 300 000		4	2.5	200		2.3	1.2	150		1.2	B4	T
C30B	000 231 600	G ₁	13	4	200		4	3.2	150		3.2	B7	T
C50B	061 231 500	G ₁	13	2.2	200	200	2.5	2.8	100	PenLF	2.8	B7	P
C50N	061 231 500	G ₁	13	2	200	200	9.5	2	100	150	2	B7	P
C70D	023 110 560	G ₁	33	8.5	200	200	45	8	100	PenLF	7	8SC	P
C70D	045 231 600		35	8.5	200	200	45	8	100	PenLF	7	B7	P
C80B	123 154 560	G ₁	13	1.5	200	90	1.6		150	75		8SC	O
C109	642 300 000		1	9	150		3.5	0.5	100		0.5	B4	T
C125	642 300 000		1	3	150		0.8	0.8	125		0.8	B4	T
C135	042 300 000	A	1.4	1	150		1.5	1	150		1	B4	T
C142	542 300 000	A	1	1.5	150	75	1.7	0.8	100		0.8	B4	P
C243	642 350 000		2	15	150	150	17	1.5	100	100	1.5	B5	P
C243N	642 350 000		2	4.5	150	125	6	2.2	150	100	2.2	B5	P
C243N	264 530 000		2	4.5	150	125	6	2.2	150	100	2.2	UX5	P
C405	642 300 000		4	32	250		20	1.9	100		1.9	B4	T
C405	264 300 000		4	32	250		20	1.9	100		1.9	UX4	T
C408	642 300 000		4	7	150		14	2.9	100		2.9	B4	T
C443	642 350 000		4	25	300	200	20	1.7	100	PenLF	1.7	B5	P
C443N	642 350 000		4	42	300	200	20	1.5	100	PenLF	1.5	B5	P
C443N/S	642 350 000		4	20	300	150	20	1.5	100	100	1.5	B5	P
C453	642 350 000		4	25	300	200	20	1.7	100	PenLF	1.7	B5	P
C508	264 300 000		5	9	150		6.2	1.7	100		1.7	UX4	T
C509A	642 300 000		4	10	150		10	1	100		1	B4	T
C603	642 300 000		6	40	175		20	1.7	100		1.7	B4	T
C606	642 300 000		6	27	250		20	3.3	100		3.5	B4	T
C643	642 350 000		6	21	300	200	20	1.5	100	PenLF	1.5	B5	P
DAC1	023 089 060	G ₁	1.4	1	90		0.14	0.27	80		0.27	8SC	DDT
DAC21	206 008 030	G ₁	1.4	1	90		0.5	0.3	80		0.3	A08	DT
DAC25	264 228 230		1.4	1	125		0.6	0.35	125		0.35	A08	DT
DAC31	036 080 200	G ₁	1.4	1	90		0.45	0.27	80		0.27	A08	DT
DAC32	036 080 200	G ₁	1.4	1	90		0.15	0.27	80		0.27	A08	DT
DAF11	802 362 450		1.4	0	90	50	0.22	2	80	60	2	F8	DP
DAF40	268 354 230		1.4	4	75	75	0.85	0.7	80	75	0.8	B8A	DP
DAF41	268 354 230		1.4		75	75	0.85	0.7	80	75	0.8	B8A	DP
DAF91	208 564 300		1.4	1	90	90	2	0.72	80	90	0.72	B7G	DP
DASI	542 300 000	A	2	2.7	125	125	1.5	0.58	100	100	0.58	Sm4	P
DA	000 231 600	G ₁	13	2.6	200		3.7	2.2	150		2.2	B7	T
DA1	642 300 000		2	1	40		0.25	0.4	No Data Available			Sm4	T
DA2	642 300 000		2	2.15	40		1.25	0.5	No Data Available			Sm4	T
DA3	642 300 000		2	2.8	40		1.8	0.62	No Data Available			Sm4	T
DA30	642 300 000		4	1	100			6.9	100		6.0	B5	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
DA90	281 0*8 300		1-4				5		D			B7G	R
DA406	542 300 000	A	4	2-5	150	75	3	0-8	100	75	0-8	B4	P
DB	446 230 700		25	0	250		40		250			B7	TT
DBC2I	206 098 030	G ₁	1-4	1-5	125		1-6	0-9	100		0-9	A08	DDT
DBC3I	026 980 300	G ₁	1-4	1-5	125		1-6	0-9	100		0-9	A08	DDT
DCC90	274 346 200		1-4	2-5	90		2-7	1-8	80		1-8	B7G	TT
DC/HL	642 310 000		6	1	100			3	100		3	B5	T
DCH2I	207 540 630	G ₁	1-4	0	60	60	2-1	1-4	No Data Available			A08	TH
				0	90		1						
DCH22	276 454 030		1-4	0	60	50	1-4		No Data Available			A08	TH
				0	90		0-75						
DCH25	276 454 030		1-4	0	60	60	2	1-3	No Data Available			A08	TH
				0	90		1						
DC/P	642 310 000		8	1	200			4-5	200		4-5	B5	T
DC/SG	542 310 000	A	6		200	75		2-75	200	75	2-75	B5	P
DC2/HLDD	809 231 600	G ₁	25	1	200			2	200		2	B7	DDT
DC2P	642 310 000		35	13-5	200		17	3-75	200		3-75	B5	T
DC2/Pen	045 231 600		35	10	250	200	30	2-5	100	PenLF	2-5	B7	P
DC2/Pen	642 310 000	S	35	10	250	200	30	2-5	100	PenLF	2-5	B5	P
DC2SG	542 310 000	A	20	1	200	75	5-5	1-8	200	75	1-8	B5	P
DC2SGVM	542 310 000	A	20	2	200	60	5-8	1-5	200	60	1-5	B5	P
DC3HL	642 310 000		25	1	80		0-34	0-38	80		0-38	B5	T
DC25	260 024 030		1-4	3-5	100		1-8	0-85	100		0-85	B8B	T
DC80	402 320 060		1-2	0	150		20	3-5	No Data Available			B9A	T
DDD25	206 447 030		1-4	1-5	100		3-5	1-2	100		1-2	A08	TT
DDL4	892 310 000		4				5		D			B5	RR
DDP4B	968 231 500	G ₁	4	5	250	250	36	8	100	PenLF	7	B7	DDP
DDP4M	918 236 500	G ₁	4	5	250	250	36	8	100	PenLF	7	B7	DDP
DD/Pen	849 231 500	A	4	2-5	200	100	5	2-7	100	100	2-7	B7	DDP
DDPP4B	869 231 500	G ₁	4	5	250	250	36	10	100	PenLF	9	B7	DDP
DDPP4BS	023 189 560	G ₁	4	5	250	250	36	10	100	PenLF	9	8SC	DDP
DDPP4M	869 231 500	G ₁	4	5	250	250	36	10	100	PenLF	9	B7	DDP
DDPP6B	968 231 500	G ₁	6	6	250	250	36	9-5	100	PenLF	9	B7	DDP
DDPP39	968 231 500	G ₁	35	8	200	200	45	8-5	100	PenLF	8	B7	DDP
DDPP39M	918 236 500	G ₁	35	8	200	200	45	8-5	100	PenLF	8	B7	DDP
DDPP39S	023 198 560	G ₁	35	8	200	200	45	8-5	100	PenLF	8	8SC	DDP
DDT	908 231 600	G ₁	4	3	200		3	2-4	150		2-4	B7	DDT
DDT2	682 390 000	G ₁	2	3	150		1	1-4	100		1-4	B5	DDT
DDT2B	682 390 000	G ₁	2	4-5	150		2-5	1	100		1	B5	DDT
DDT2BS	023 089 060	G ₁	2	4-5	150		2-5	1	100		1	8SC	DDT
DDT4	809 231 600	G ₁	4	3	200		3	2-5	150		2-5	B7	DDT
DDT4(S)	908 231 600	G ₁	4	5	250		4	3-6	150		3-6	B7	DDT
DDT4(S)	023 198 060	G ₁	4	5	250		4	3-6	150		3-6	8SC	DDT
DDT6	809 231 600	G ₁	6	5-5	250		5	2	150		2	B7	DDT
DDT6S	023 189 060	G ₁	6	5-5	250		5	2	150		2	8SC	DDT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
DDT13	908 231 600	G ₁	13	4	200		5	2.3	150		2.3	B7	DDT
DDT13S	023 189 060	G ₁	13	5	200		4	3.6	100		3.6	8SC	DDT
DDT16	809 231 600	G ₁	16	3	200		5	2.5	100		2.5	B7	DDT
DDT213	809 231 600	G ₁	13	4	200		5	2.25	150		2.2	B7	DDT
DDT215	682 390 000	G ₁	2	3	150		3	1.6	100		1.6	B5	DDT
DDT220	682 390 000	G ₁	2.5	4.5	150		2.5	1	100		1	B5	DDT
DD4	892 310 000		4						D			B5	DD
DD4D	091 231 800		4						D			B7	DD
DD6	892 310 000		6						D			B5	DD
DD6	192 310 800		6				5		D			B7G	RR
DD6G	192 310 800		6				5		D			B7G	RR
DD6Ds	023 180 910		6						D			8SC	DD
DD13	892 310 000		13						D			B5	DD
DD4I	219 080 130		4						D			M08	DD
DD10I	219 080 130		10						D			M08	DD
DD207	892 300 000		2						D			B4	DD
DD465	902 310 000	D ₁	4						D			B5	DD
DD620	892 310 000		6						D			B5	DD
DD818	892 310 000		8						D			B5	DD
DET19	204 140 300	A ₁ A ₂	6.0		300		25	2.1	100		2.1	UX7	TT
DET20	020 000 310	A ₁ G ₁	6	5.5	250		12	3	100		3	A08	T
DE1	264 130 000		2.5	21	250		5.2	0.975	100		0.975	UX5	T
DE5	280 300 000		2.5				120		REC		30mA	UX4	R
DFF50	246 557 430		1.4	11	20	20	22.5	1.2	No Data Available			A08	PP
DFF51	246 557 430		1.4	1	20	20	2.1	0.7	No Data Available			A08	PP
DFF101	634 572 400		1.4		40	40	1	0.22	No Data Available			B7G	PP
DF1	032 000 560	G ₁	1.4	1	90	90	1.2	0.75	80	90	0.75	8SC	PP
DF11	602 302 450		1.4	0	90	50	0.9	0.65	80	60	0.6	F8	P
DF21	206 501 030	G ₁	1.4	1	90	90	1.2	0.7	80	90	0.7	A08	P
DF22	206 501 030	G ₁	1.4	1.5	90	90	1.4	1.1	80	90	1.1	A08	P
DF23	265 114 130		1.4	1.5	90	60	0.65	0.58	80	60	0.58	A08	P
DF25	265 114 130		1.4	1	125	60	1	0.65	125	60	0.65	A08	P
DF26	265 114 130		1.4	1.1	125	90	1.2	0.3	125	90	0.3	A08	P
DF31	026 510 300	G ₁	1.4	1	90	90	1.2	0.65	80	90	0.65	A08	P
DF32	026 510 300	G ₁	1.4	1.5	90	90	1.4	1.1	80	90	1.1	A08	P
DF33	036 500 200	G ₁	1.4	1	90	90	1.2	0.75	80	90	0.75	A08	P
DF91	265 024 300		1.4	1	90	75	3.5	0.9	80	60	0.9	B7G	P
DF92	265 024 300		1.4	1	90	75	3.7	1	80	60	1	B7G	P
DG210	642 350 000		2	1.5	100	20	1	1	No Data Available			B5	P
DH	642 310 000		16	3	200		6	3.7	100		3.7	B5	T
DHD	908 231 600	G ₁	16	1	200			2.2	200		2.2	B7	DDT
DHL	642 310 000		16	1.5	150		3.8	4.5	100		4.5	B5	T
DH30	908 231 600	G ₁	13	2	200		2.8	4.5	150		4.5	B7	DDT
DH42	908 231 600	G ₁	4	3	250		1.1	1.2	150		1.2	B7	DDT
DH63	026 890 310	G ₁	6	3	250		1.1	1.2	150		1.2	A08	DDT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
DH73	026 890 310	G ₁	6	1	250			2	250		2	A08	DDT
DH74	026 890 310	G ₁	13	3	250		1.1	1.2	100		1.2	A08	DDT
DH76	026 980 310	G ₁	13	3	250		1.1	1.2	150		1.2	A08	DDT
DH77	412 389 600		6	3	250		1	1.2	150		1.2	B7G	DDT
DH81	264 *98 130		6	3	250		1	1.2	150		1.2	B8B	DDT
DH101	264 *98 130		19	3	250		1	1.2	150		1.2	B8B	DDT
DH107	412 389 600		19	3	250		1	1.2	150		1.2	B7G	DDT
DH142	264 089 130		14		175		1.5	1.65	100		1.6	B8A	DDT
DH147	026 890 310	G ₁	6	5.5	250		5	2	100		2	A08	DDT
DH149	264 198 130		6	1	250		2.3	1	250		1	B8B	DDT
DH150	264 089 130		6		250		1	1.3	100		1.3	B8A	DDT
DK1	023 064 560	G ₁	1.4	0	90	50	1.8	0.55	80	60	0.55	8SC	H
DK21	206 540 630	G ₁	1.4	2	60	60	4.5	1.4	80	60	1.4	A08	H
DK32	036 546 200	G ₁	1.4	0	90	50	1.8	0.55	80	60	0.55	A08	H
DK40	265 454 030		1.4	2	75	75	0.9	0.7	No Data Available			B8A	O
DK91	266 424 300		1.4	1	75		6	1.4	80		1.4	B7G	H
DK92	255 461 300		1.4	1.4	30	60	2.5	0.9	No Data Available			B7G	H
DL	642 310 000		16	8	200		25	4.5	100		4.5	B5	T
DLL21	246 547 330		1.4	8.7	125	125	1		100	100		A08	PP
DLL31	326 447 250		1.4	5	90	90	3		No Data Available			A08	PP
DLL101	264 574 300		1.4		90	60	4.5	1.2	80	60	1.2	B7G	PP
DLL102	264 574 300		1.4		40	40	1.3	0.55	No Data Available			B7G	PP
DL1	023 004 560		1.4	3	90	90	4	1.25	80	75	1.25	8SC	P
DL2	032 004 560		1.4	7.5	90	90	7.5	1.55	80	75	1.55	8SC	P
DL11	602 302 450		1.4	4.4	90	90	3.7	1.0	80	90	1	F8	P
DL21	206 540 030		1.4	3	90	90	4	1.3	80	90	1.3	A08	P
DL22	265 024 330		1.4	4	125	125	5	1.6	100	100	1.6	A08	P
DL25	265 204 330		1.4	4.7	125	125	4.5	2.1	100	100	2.1	A08	P
DL31	036 540 200		1.4	3	90	90	4	1.25	80	75	1.25	A08	P
DL33	036 540 320		1.4	4.5	90	90	9.5	2.2	80	75	2.2	A08	P
DL35	036 540 200		1.4	7.5	90	90	7.5	1.55	80	75	1.55	A08	P
DL41	362 054 220		1.4	3	90	90	4	1.3	80	90	1.3	B8A	P
DL63	026 890 310	G ₁	6	3	250		4.2	1.6	100		1.6	A08	DDT
DL74	026 890 310	G ₁	13	3	250		5.1	1.65	100		1.65	A08	DDT
DL82	264 *98 130		6.0	2	200			1.4	150		1.4	B8B	DDT
DL91	264 536 200		1.4	7	90	75	7.4	1.58	90	60	1.5	B7G	P
DL92	264 536 200		1.4	7	90	75	7.4	1.58	80	75	1.58	B7G	P
DL93	365 426 300		1.4	8.4	150	90	13.3	1.9	100	75	1.9	B7G	P
DL94	365 024 300		1.4	4.5	90	90	9.5	2.15	80	75	2.15	B7G	P
DL95	264 536 200		1.4	4.5	90	90	9.5	2.15	90	75	2.1	B7G	P
DL145	264 098 130		15	5.9	250		5	2.3	150		2.3	B8A	DDT
DN41	968 231 500	G ₁	4	3.3	250	200	32	10	100	PenLF	9	B7	DDP
DN143	264 598 130		6	6.2	250	275	44	9.5	100	PenLF	9	B8B	DDP
DP	264 008 030		16	7.5	200		25	6	100		6	M08	DT
DP5	642 350 000		4	5	250	250	10	4	100	PenLF	4	B5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
DP7	023 004 560		4	20	250	250	20	2.5	100	PenLF	2.5	8SC	P
DP6I	412 365 100		6	2.3	150	150	7	4.3	150	150	4	B7G	P
DP/Pen	045 231 600		16	10	200	200	31	3.5	100	100	3.5	B7	P
DPT	045 231 600		16	10	200	200	40	3	100	PenLF	3	B7	P
DP495/6	869 231 500	G ₁	4	6.5	250	250	35		100	PenLF		B7	DDP
DP4480	819 236 500	G ₁	44	8.4	200	200	46	8	100	PenLF	7	B7	DDP
DS	000 231 600	G ₁	13	3	200		4	2.5	150		2.5	B7	T
DS	542 310 000	A	16	1.5	200	75	2.8	1.1	200	75	1.1	B5	P
DSB	542 310 000	A	16	1	150	90	3.4	3.2	150	90	3.2	B5	P
DSPen	061 231 500	G ₁	16	1.5	200	100	4.7	2.3	200	100	2.3	B7	P
DT7	642 300 000		4	16	200		14	2	100		2	B4	T
DT436	023 198 060	G ₁	4	7	250		4	2	100		2	8SC	DDT
DT1366	023 198 060	G ₁	13	5	200		4	2	100		2	8SC	DDT
DUI	802 300 000		4				30		Rec		15mA	B4	R
DU2	892 300 000		4				30		Rec		17mA	B4	RR
DU3	892 300 000		4				15		Rec		10mA	B4	RR
DU4	892 300 000		4				30		Rec		15mA	B4	RR
DU5	892 300 000		4				30		Rec		17mA	B4	RR
DU10	802 300 000		4				60		Rec		25mA	B4	R
DVSG	542 310 000	A	16	1	200	75	7.5	2.5	100	75	2.5	B5	P
DVS Pen	542 310 000	A	16	1.5	200	100	5.5	2	200	100	2	B5	P
DWI	892 300 000		4				15		Rec		10mA	B4	RR
DW2	892 300 000		4				30		REC		15mA	B4	RR
DW3	892 300 000		4				30		REC		15mA	B4	RR
DW4	892 300 000		4				60		REC		20mA	B4	RR
DW4/350	892 300 000		4				60		REC		20mA	B4	RR
DW4/500	892 300 000		4				60		REC		20mA	B4	RR
DW5	802 300 000		4				120		Rec		30mA	B4	R
DW7X	892 300 000		4				30		Rec		15mA	B4	RR
DW8	892 300 000		5				30		Rec		15mA	B4	RR
DW30	892 300 000		7.5				60		Rec		20mA	B4	RR
DW802	642 300 000		4	25	250		26	4	100		4	B5	T
DWI508	642 310 000		4	7.5	150		4	1.5	100		1.5	B5	T
DW4011	642 310 000		4	5	200		5	3.6	150		3.6	B5	T
DW4023	642 310 000		4	3	150		2.5	1.75	100		1.7	B4	T
DX2	642 300 000		2	3	150		3.5	1.4	100		1.4	B4	T
DY604	642 300 000		4	15	150		8	1.3	100		1.3	B4	T
DZ2	542 300 000	A	4	1	200	100	4	0.7	100	100	4	B4	P
D1	123 000 000	D ₁	4				5		D			B3G	R
D1	642 300 000		4	1	40		1	0.8	No Data Available			B4	T
D1	289 300 000		5				60		REC		20mA	UX4	RR
D2	642 300 000		4	6	100		2.2	0.25	100		0.25	B4	T
D4	642 310 000		4	3	200		4	3.3	150		3.3	B5	T
D020	642 300 000		7.5	50	400		55	2.1	100		2.1	B4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
D024	642 300 000		4	40	400		63	7.5	100		6.0	B4	T
D025	642 300 000		6	75	300		60	3.75	100		3.75	B4	T
D026	642 300 000		4	92	400		63	3.8	100		3.8	B4	T
D030	642 300 000		4	100	400		60	6.9	100		6.0	B4	T
D41	892 310 000		4						D			B5	DD
D42	812 300 000		4						D			B4	D
D43	102 300 000	D ₁	4						D			B4	D
D63	029 180 310		6						D			A08	DD
D77	192 310 800		6					5	D			B7G	RR
D110	264 300 000		4	40	250		40	2.7	100		2.7	UX4	T
D110	642 300 000		4	40	250		40	2.7	100		2.7	B4	T
D121	268 154 130		12.5	2	200	90	5	2	100	100	2	B8A	DP
D152	192 310 800		6				5		D			B7G	RR
D210	642 300 000		2	3	150		3.5	1.25	100		1.25	B4	T
D210SW	603 200 000	G ₁	2	4.5	150		2.4	1.35	100		1.35	B4	T
D243	642 350 000		2.5	27	300	200	20	2	100	PenLF	2	B5	T
D404	642 300 000		4	10	100		4	0.45	100		0.45	B4	T
D410	642 300 000		4	3	150		3.5	0.5	150		0.5	B4	T
D418	102 300 000	D ₁	4						D			B4	D
E	642 300 000		4	9	200		1.7	0.4	100		0.4	B4	T
EAB1	023 110 890		6						D			8SC	DDD
EAC91	812 314 600		6	2.8	200		7.5	2.8	100		2.8	B7G	DT
EA41	268 154 130		6	2	250	100	5	1.8	100	100	1.8	B8A	DP
EA42	268 154 130		6	2	250	100	5	1.8	100	100	1.8	B8A	DP
EA40	200 800 130		6						D			B8A	D
EA50	123 000 000	D ₁	6						D			B3G	D
EA76	281 380 000		6				5		No Data Available			M5	R
EBC1	023 198 060	G ₁	6	7	250		4	2	100		2	8SC	DDT
EBC3	023 189 060	G ₁	6	5.5	250		5	2	100		2	8SC	DDT
EBC11	892 301 460		6	6.3	200		4	2	100		2	F8	DDT
EBC21	264 *89 130		6	5.5	250		5	2	100		2	B8B	DDT
EBC30	023 189 060	G ₁	6	4.3	200		4	2	150		2	8SC	DDT
EBC33	026 890 310	G ₁	6	5.5	250		5	2	100		2	A08	DDT
EBC41	264 098 130		6	3	250		1	1.3	150		1.3	B8A	DDT
EBF1	023 198 560	G ₁	6	3	250	125	9	1.1	100	100	1.1	8SC	DDP
EBF2	032 198 560	G ₁	6	2	250	100	5	1.8	100	PenLF	1.8	8SC	DDP
EBF11	982 361 450		6	2	250	100	5	1.8	100	100	1.8	F8	DDP
EBF15	982 361 450		6	2	250	100	12	5	100	100	5	F8	DDP
EBF32	026 895 310	G ₁	6	2	250	100	5	1.8	100	100	1.8	A08	DDP
EBF35	216 589 130	G ₁	6	2	250	100	5	1.8	100	100	1.8	A08	DDP
EBF80	541 236 891		6	2	250	90	5	2.2	100	90	2.2	B9A	DDP
EBL1	023 189 560	G ₁	6	6	250	250	36	9.5	100	PenLF	9.0	8SC	DDP
EBL21	264 598 130		6	6.2	250	275	44	9.5	100	PenLF	9.0	B8B	DDP
EBL31	026 895 310	G ₁	6	6	250	250	36	9.5	100	PenLF	9.0	A08	DDP
EB4	023 180 910		6						D			8SC	DD

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
EB11	802 301 190		6						D			F8	DD
EB34	029 180 310		6						D			A08	DD
EB40	208 090 130		6						D			B8A	DD
EB41	201 908 130		6				5		D			B8A	RR
EB91	192 310 800		6				5		D			B7G	RR
ECC31	027 446 310		6	4-6	250		6	2-3	100		2-3	A08	TT
ECC32	461 471 230		6	4-6	250		6	2-3	100		2-3	A08	TT
ECC33	461 471 230		6	4	250		9	3-6	100		3-6	A08	TT
ECC34	461 471 230		6	16	250		10	2-2	100		2-2	A08	TT
ECC35	461 471 230		6	2-3	250		2-3	2	100		2	A08	TT
ECC40	274 164 130		6	5-2	250		6	2-7	100		2-7	B8A	TT
ECC81	741 226 413		6	1-5	200		10	5-5	150		5	B9A	TT
ECC82	741 226 413		6	8-5	250		10-5	2-2	100		2	B9A	TT
ECC91	672 344 100		6	0-85	100		8-5	5-3	100		5-3	B7G	TT
ECF1	023 164 570	G ₁	6	{ 2 2	150 100	0 100	9 5	2-6 2-5	150 100		2-6 2-5		TP
ECF12	642 371 450		6	{ 2 2	100 250	0 100		3 2	100 100		3 2	F8	TP
ECH2	023 164 570	G ₁	6	{ 1 2-5	100 250		9-5 3-25	5-5	100 250	100	5-5	8SC	TH
ECH3	023 164 570	G ₁	6	{ 2 2	100 250	100	5 4-8	2-4 2-5	100 200	100	2-8 2-5	8SC	TH
ECH4	123 614 570	G ₁	6	{ 2 2	100 250	100	6-3 6-5	2-7 2-6	100 100	PenLF	2-2 2-6	8SC	TH
ECH21	276 454 131		6	{ 2 2	100 250	90	6-25 5-3	2-4 2-2	100 100	90	3-2 2-2	B8B	TH
ECH33	027 546 310	G ₁	6	{ 2 2	100 200	100	5 3	2-4	100 100	100	2-8	A08	TH
ECH35	027 546 310	G ₁	6	{ 2 2	100 250	100	5-4 5	2-2 2-4	100 100	100	2-8 1-2	A08	TH
ECH41	276 454 130		6	{ 2 2	100 250	100	6-5 6-3	2-2 2-4	100 100	100	2-2 2-4	B8A	TH
ECH42	276 454 130		6	{ 2 2	100 250	100	6-8 9	2-6 3-5	100 100	100	2-8 3-5	B8A	TH
ECL11	452 371 460		6	{ 2-5 6	250 250	0 250	2 36	2 9	100 100	150	2 7	F8	TP
ECL80	641 237 154		6	{ 2-3 8-0	100 200	0 200	4 17-5	1-4 3-3	100 100	PenLF	1-4 3-0	B9A	TP
EC2	023 100 060	G ₁	6	5-5	250		6	2-5	100		1-5	8SC	T
EC31	026 040 310		6	16	150		20	3-2	100		3-2	A08	T
EC40	244 644 130		6	1-5	275		15	12	100		9	B8A	T
EC41	206 040 130		6	5-5	175		20	4-5	125		4-5	B8A	T
EC52	241 600 003		6	2-6	250		10	6-5	100		6-5	B9G	T
EC53	123 000 000	A G ₁	6	3-3	200		7-5	2-9	100		2-9	B3G	T
EC54	244 664 413		6	1-5	250		10	9	100		7	B9G	T
EC70	462 603 160		6	2	100		13	5-5	100		5-5	M8	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
EC80	441 230 446		6	1.5	250		15	12	150		10	B9A	T
EC81	401 230 060		6	2	150		30	5.5	100		4	B9A	T
EC91	412 314 600		6	1.5	250		10	8.5	200		8.0	B7G	T
EFF50	265 414 573		6	2	250	200	6	8	100	PenLF	7	B9G	PP
EFF51	265 414 573		6	2	250	200	6	8	100	PenLF	7	B9G	PP
EFM1	023 114 560		6	2	250	100	1.3		No Data Available			8SC	IP (page 95)
EF1	023 110 560	G ₁	6	2	250	100	3	2.3	100	100	2.3	8SC	P
EF2	023 110 560	G ₁	6	2	250	100	4.5	2.2	100	100	2.2	8SC	P
EF3	023 110 560	G ₁	6	2.5	250	100	8	1.8	100	100	1.8	8SC	P
EF5	023 110 560	G ₁	6	3	250	100	8	1.7	100	100	1.7	8SC	P
EF6	023 110 560	G ₁	6	2	250	100	3	2	100	100	2	8SC	P
EF7	023 110 560	G ₁	6	1.5	250	100	3	2.1	100	100	2.1	8SC	P
EF8	023 111 560	G ₁	6	2.5	250	250	8	1.8	100	PenLF	1.8	8SC	P
EF9	023 110 560	G ₁	6	2.5	250	100	6	2.2	100	100	2.2	8SC	P
EF11	602 301 450		6	2	250	100	6	2.2	100	100	2	F8	P
EF12	602 301 450		6	2	250	100	3	2.1	100	100	2	F8	P
EF13	612 301 450		6	2	250	100	4.5	2.3	100	100	2	F8	P
EF14	612 350 140		6	4.5	200	200	12	7	100	150	6	F8	P
EF15	612 301 450		6	2	250	100	12	5.5	100	100	5	F8	P
EF22	265 104 130		6	2.5	250	100	6	2.2	100	100	2.2	B8B	P
EF25	023 110 560	G ₁	6	2	250	100	5	1.8	100	100	1.8	8SC	P
EF36	026 510 310	G ₁	6	2	250	100	3	1.8	100	100	1.8	A08	P
EF37	026 510 310	G ₁	6	2	250	100	3	1.8	100	100	1.8	A08	P
EF37A	026 510 310	G ₁	6	2	250	100	3	1.8	100	100	1.8	A08	P
EF38	126 510 310	G ₁	6	2.5	250	250	8	1.8	100	PenLF	1.8	A08	P
EF39	026 510 310	G ₁	6	2.5	250	100	6	2.2	100	100	2.2	A08	P
EF40	260 145 130		6	2	250	150	3	1.8	100	150	1.8	B8A	P
EF41	261 154 130		6	2.5	250	100	6	2.2	100	100	2.2	B8A	P
EF42	260 154 130		6	2	250	250	10	9.5	100	PenLF	8.0	B8A	P
EF50	256 101 403		6	1.55	250	250	10	6.5	100	PenLF	6.0	B9G	P
EF51	261 154 130		6	2	250	250	14	9.5	100	PenLF	9.0	B8B	P
EF52	261 154 130		6	2	250	250	10	10	100	150	8	B8G	P
EF53	256 101 403		6	2	250	250	10	6.5	100	150	6.5	B9G	P
EF54	265 114 113		6	1.7	250	250	10	7.7	100	PenLF	7.0	B9G	P
EF55	256 101 403		6	4	250	150	10	7	100	100	6	B9G	P
EF70	412 163 510		6	2	100	100	3	2.3	100	100	2.3	M8	P
EF71	412 163 510		6	2	100	100	13	5.5	100	100	5.5	M8	P
EF72	412 163 510		6	1.4	100	100	7	5	100	100	5	M8	P
EF73	412 653 160		6	2	100	100	7.5	5	100	100	5	M8	P
EF80	141 230 651		6	2	175	175	10	7.2	100	125	6	B9A	P
EF86	501 236 014		6	1	250	100	3	1.85	100	100	1.8	B9A	P
EF91	412 361 500		6	2	250	250	10	7.65	100	PenLF	5	B7G	P
EF92	412 361 500		6	2.5	250	200	8	2.5	100	PenLF	2.5	B7G	P
EF93	412 365 100		6	1	250	100	11.6	4.5	150	100	4	B7G	P
EF95	412 365 100		6	2.3	150	150	7	4.3	100	100	4	B7G	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
EH1	023 145 560	G ₁	6	2	250	80	3	1.8	200	75	1.8	8SC	P
EH2	023 115 560	G ₁	6	2	250	90	1.8		100	90		8SC	P
EK1	123 174 560	G ₁	6	1.5 8.5	90 250		2 1.6		80 100				
EK2	023 154 560	G ₁	6	2	250	75	2.8	1.8	100	60	2.1	8SC	O
EK3	023 164 560	G ₁	6	2	100	60	11	3.8	100	60	3.8	8SC	O
EK32	027 546 310	G ₁	6	— 2	200 250		2.5 1		100 100				
ELLI	423 174 560		6	21.5	250	250	15	1.8	100	PenLF	1.8	8SC	PP
EL1	023 100 560	G ₁	6	18.5	250	250	32	2.6	100	PenLF	2.6	8SC	P
EL2	023 100 560	G ₁	6	18	250	250	32	2.8	100	PenLF	2.8	8SC	P
EL3	023 104 560		6	6	250	250	36	9	100	PenLF	9	8SC	P
EL5	023 104 560		6	14	250	275	72	8.5	100	PenLF	8.5	8SC	P
EL6	023 104 560		6	7	250	250	72	14.5	100	PenLF	10	8SC	P
EL11	602 301 450		6	6	250	250	36	9	100	150	7	F8	P
EL12	602 301 450		6	7	250	250	72	15	No Data Available			F8	P
EL20	265 104 130		6	34	300	300	12.5		100	100		B8B	P
EL22	265 004 130		6	7	250	250	44	9.5	100	PenLF	9	B8B	P
EL31	120 540 310	A	6	9	300	275	91	14	100	PenLF	10	A08	P
EL32	026 500 310	G ₁	6	18	250	250	32	2.8	100	PenLF	2.8	A08	P
EL33	026 540 310		6	6	250	250	36	9	100	PenLF	8	A08	P
EL34	126 540 310		6	14.5	250	250	67	9	100	100	9	A08	P
EL35	026 540 310		6	15.5	250	250	72	5	100	PenLF	5	A08	P
EL36	026 540 310		6	7	250	250	72	14.5	100	PenLF	10	A08	P
EL37	026 540 310		6	13.5	250	250	100	11	100	PenLF	10	A08	P
EL38	120 540 310	A	6	7	250	250	100	14.3	100	PenLF	10	A08	P
EL41	26* *54 130		6	7	250	250	36	10	100	PenLF	8	B8A	P
EL42	261 054 130		6	10	225	225	26	3.2	100	PenLF	3.2	B8A	P
EL43	260 154 130		6	3	250	250	36	10	100	PenLF	8	B8A	P
EL44	200 154 130	A	6		250	250	20	5	100	PenLF	5	B8A	P
EL50	023 114 500	A	6	14	250	275	72	8.5	100	PenLF	8	8SC	P
EL51	023 104 560		6		400	300	44	7	100	150	7	8SC	P
EL53	023 104 560		6	7.7	400	250	24	8	100	150	7	8SC	P
EL54	023 104 560		6	12.2	300	300	55	13	No Data Available			8SC	P
EL60	216 005 413		6	14.5	250	250	67	9	100	100	8	B9G	P
EL70	412 163 510		6	9	100	100	31	2.2	100	90	2.2	M8	P
EL81	*41 23* *51	A	6	22	175	175	45	6.2	100	100	5	B9A	P
EL83	541 231 600		6	5.5	250	250	36	10	100	150	9	B9A	P
EL91	412 360 500		6	12.4	250	250	16	2.6	100	PenLF	2.6	B7G	P
EQ80	541 236 114		6	1	250	20	0.95	0.7	No Data Available			B9A	N
ER4	002 300 000	D ₁	4				3		D			B4	D
EW60	280 000 103		6				120		REC		30mA	B9G	R
EY51	023 000 000	D ₁	6						D			B3G	D
EY70	082 813 080		6				30		REC		17mA	M8	R
EY80	**1 23* **8		6				120		REC		40mA	B9A	R

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
EY9I	812 380 000		6				60		REC		20mA	B7G	R
EZI	023 180 090		6				30		REC		15mA	8SC	RR
EZ2	023 180 090		6				30		REC		15mA	8SC	RR
EZ3	023 180 090		6				60		REC		20mA	8SC	RR
EZ4	023 180 090		6				60		REC		20mA	8SC	RR
EZ22	208 009 130		6				60		REC		20mA	B8B	RR
EZ33	028 090 310		6				60		REC		20mA	A08	RR
EZ35	028 090 310		6				30		REC		15mA	A08	RR
EZ40	280 *09 130		6				30		REC		15mA	B8A	RR
EZ4I	28* **9 130		6				30		REC		15mA	B8A	RR
E4K	003 200 000	D ₁	4				60		REC		20mA	B5	R
E4L	003 200 000	D ₁	4				120		REC		30mA	B5	R
E235	642 300 000		2	12	200		18	3	100		3	B4	T
E405	642 300 000		4	32	250		20	2	100		2	B4	T
E406	642 300 000		4	34	250		8	2.3	100		2.3	B4	T
E406N	642 300 000		4	34	250		8	2.3	100		2.3	B4	T
E408	642 300 000		4	30	400		26	2	100		2	B4	T
E408N	642 300 000		4	36	400		30	2.7	100		2	B4	T
E409	642 310 000		4	16	200		12	1.3	100		1.3	B5	T
E409N	642 310 000		4	16	200		12	1.3	100		1.3	B5	T
E410	642 300 000		4	28	400		30	6	100		6	B4	T
E414	642 310 000		4	6	150		6.5	2	100		2	B5	T
E414	642 300 000		4	15	150		8	1.3	100		1.3	B4	T
E415	642 310 000		4	8	200		6	1.4	100		1.4	B5	T
E415	264 130 000		4	8	200		6	1.4	100		1.4	UX5	T
E420	642 300 000		4	18	150		11	1.6	100		1.6	B4	T
E422	642 300 000		4	16	250		12	5	100		5	B4	T
E424	642 310 000		4	3.5	200		6	2.4	100		2.4	B5	T
E424R	612 300 000	G ₁	4	5	200		6	1.6	100		1.6	B4	T
E424N	642 310 000		4	3.5	200		6	2.4	100		2.4	B5	T
E425	642 310 000		4	4.5	150		3	1	100		1	B5	T
E428	642 310 000		4	3.5	200			2.4	100		2.4	B5	T
E430	642 310 000		4	3	150		4	2	100		2	B5	T
E430N	642 310 000		4	15	200		15	3	100		3	B5	T
E435	642 310 000		4	1.5	200		3	3	100		3	B5	T
E438	642 310 000		4	2.5	200		0.3	1.5	100		1.5	B5	T
E441N	652 300 000	G ₁	4	0	100	0	1.7	1	100		1	B4	T
E442	542 310 000	A	4	1.3	200	60	1.5	0.9	200	60	0.9	B5	P
E442S	542 310 000	A	4	2	200	60	4	1	100	60	1	B5	P
E443H	642 350 000		4	15	250	250	36	2.8	100	PenLF	2.8	B5	P
E443N	642 350 000		4	40	400	200	30	1.9	100	100	1.9	B5	P
E444S	642 310 000	D ₁	4	3.5	200		6	2	100		2	B5	DT
E445	542 310 000	A	4	2	200	100	6	1	100	100	1	B5	P
E446	542 310 000	A	4	2	200	100	3	2.3	100	100	2.3	B5	P
E447	542 310 000	A	4	2	200	125	4.5	2.3	100	100	2.3	B5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
E448	164 552 300	G ₁	4	1.5	200	100	3		100	100		C7	P
E449	165 452 300	G ₁	4	2	200	75	3	1.8	100	75	1.8	C7	P
E452T	542 310 000	A	4	2	200	100	3	2	100	100	2	B5	P
E452T	254 130 000	A	4	2	200	100	3	2	100	100	2	UX5	P
E453	045 231 600		4	15	250	250	24	2.5	100	PenLF	2.5	B7	P
E454	216 809 300	G ₁	4	3.5	200		3.5	1.6	100		1.6	UX7	DDT
E455	542 310 000	A	4	1.5	200	100	3	2	100	100	2	B5	P
E455	254 130 000	A	4	1.5	200	100	3	2	100	100	2	UX5	P
E462	542 310 000	A	4	2	200	100	3	2	100	100	2	B5	P
E463	045 231 600		4	22	250	250	36	2.7	100	PenLF	2.7	B7	P
E499	642 310 000		4	1.6	200		0.2	4	150		4	B5	T
E543	045 231 600		4	15	250	250	24	2.5	100	PenLF	2.5	B7	P
E646	020 080 310		26				120		REC		30mA	A08	R
E703	642 300 000		7.5	100	400		30	1	100		1	B5	T
E851	030 908 020		5				120		REC		30mA	A08	RR
E1148	020 000 310	G ₁ A	6	5.5	250		14	3	100		3	A08	T
E1137	366 446 622		6	2.3	250		32	16	No Data Available			B9G	T
E1192	020 450 310	A	6	11	250	150	30	3.5	100	100	3.5	A08	P
E1242	265 101 403		6		400	250	30	3	100	150	3	B9G	P
E1323	020 000 310	A G ₁	6	3	100		25	6.7	100		6	A08	T
E1413	265 024 300		1.4	1	90	75	3.5	0.9	80	75	0.9	B7G	P
E1478	642 300 000		4	1	100			6.9	100		6.0	B5	T
E1484	208 564 300		1.4	1	90	90	2.7	0.63	80	90	0.6	B7G	DP
E1489	241 657 143		6		350	250	21	3.9	100	100	3.9	B9G	PP
E1517	412 361 500		6	2.5	200	200	8	2.5	100	100	2.5	B7G	P
E1518	412 361 500		6	2	250	250	10	7.5	100	150	5	B7G	P
E1606	461 471 230		6	8	250		9	2.6	100		2.6	A08	TT
E1624	6*2 364 100		6	8.5	250		10.5	2.2	100		2.2	B7G	T
E1654	026 510 310	G ₁	6	1.5	200	200	10.9	8.5	100	150	8	A08	P
E1662	412 360 500		6	12	250	250	20	2.6	100	PenLF	2.6	B7G	P
E1677	002 300 000	D ₁	2				15		REC		10mA	B4	R
E1678	026 510 310	G ₁	13	3	250	100	7.6	1.5	100	100	1.5	B7G	P
E1681	026 540 310		15	13	175	175	35	2.5	100	100	2.5	A08	P
E1682	020 800 310		30				120		REC		30mA	A08	R
E1706	256 041 463		6	8	250	175	80	13	100	100	10	B9G	P
E1709	064 471 230		6	2	250		2	1.35	150		1.3	A08	TT
E1733	009 **8 230		6				60		REC		20mA	B8B	RR
E1736	265 004 130		6	4.4	250	250	40	10.5	100	PenLF	10.0	B8B	P
E1740	209 008 130		6				30		REC		15mA	B8B	RR
E1751	192 310 800		6				5		D			B7G	RR
E1780	009 **8 230		4				30		REC		15mA	B8B	RR
E1787C	316 541 120		6	9	250	175	50	8	100	100	8	B9G	P
E1794	265 104 130		19	3	250	75	2.5	2.8	100	60	2.8	B8B	P
E1795	280 008 130		50				120		REC		30mA	B8B	R
E1796	265 004 130		80	9.5	175	175	70	10	100	100	9	B8B	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
E1809	265 104 136	G ₁	6	3	250	100	8	2.8	100	100	2.8	B8B	P
E1813	264 198 130		19	3	250		1	1.2	100		1.2	B8B	DDT
E1816	364 526 300		1.4	7	90	75	7.4	1.575	80	60	1.5	B7G	P
E1835	005 231 600		13	4.4	250	250	40	10.5	100	PenLF	9	B7	P
E1838	264 198 130		6	3	250		1	1.2	100		1.2	B8B	DDT
E1848	264 *98 130	D ₁	6	2	200		10	1.4	200		1.4	B8B	DDT
E1884	002 300 000		2				5		D			B4	R
E1912	412 389 600		6	3	250		1	1.2	100		1.2	B7G	DDT
E1935	241 657 143		6	26	250	200	30	3.9	100	100	3.9	B9G	PP
E1938	802 309 100		6				30		REC		15mA	B7G	RR
E1969	542 376 400		6	$\begin{cases} 2 \\ 1 \end{cases}$	100 250	75	5 5.3	2.2 2.2	100 250		2.8	B7G	TH
E1976	412 361 500		19	2.5	200	200	8	2.5	100	150	2.5	B7G	P
E1984	412 36* 500		6	5.5	250	250	35	10	100	PenLF	9	B7G	P
E1985	281 008 300		40				60		REC		20mA	B7G	R
E1987	412 36* 500		40	8	175	150	50	10	100	100	9	B7G	P
E1994	471 461 230	D ₁	13	8	250			2.6	100		2.6	A08	TT
E2004	*2* 0*0 3*0		1.25				5		D			A08	R
E2020N	642 310 000		20	18	200		15	1.6	100		1.6	B5	T
E2047	412 361 500		12.5	2.5	200	200	8	2.5	200	200	2.5	B7G	P
E2122	902 308 100		6				30		Rec		15mA	B7G	RR
E2128	241 657 143	A	19	16.5	250	150	30	3.9	100	100	3.9	B9G	PP
E2134	412 36* 500		6		175	175	55	9.5	100	100	7	B7G	P
E2153	412 36* 500		13	8	175	150	50	10	100	100	9	B7G	P
E2178	**1 23* **8		20				120		REC		38mA	B9A	R
E2179	*41 23* *51		20	12	150	150	50	8.5	100	100	7	B9A	P
E2185	026 040 310		6	8	250		9	2.6	100		2.6	A08	T
E2223	*** 23* **8		25				120		REC		30mA	B9A	R
E2256	**1 23* **8		20				120		REC		40mA	B9A	R
FC2	645 230 700	G ₁	2	$\begin{cases} 0 \\ 0 \\ 0 \end{cases}$	150 150 150	50 75 50	2 0.95 2.1		150 150 150	60 75 60		B7	O
FC2A	645 230 700	G ₁	2	$\begin{cases} 0 \\ 0 \\ 0 \end{cases}$	150 150 150	50 75 50	2.1 0.7		150 150 150	60 60 60		B7	O
FC4	645 231 700	G ₁	4	$\begin{cases} 4 \\ 4 \end{cases}$	90 250	90	2.0 1.6	1 1	100 250	90 90	1.3 1.5	B7	O
FC13	023 164 570	G ₁	13	$\begin{cases} 1.5 \\ 1.5 \end{cases}$	90 200	75	2 1.6		80 200	75 75		8SC	O
FC13c	645 231 700	G ₁	13	$\begin{cases} 1.5 \\ 1.5 \end{cases}$	90 200	75	2.0 1.6		80 200	75 75		B7	O
FC14I	207 640 530	G ₁	1.4		90	90	0.55		80	90		M08	H
FH2118	165 452 300		20	2	200	80	3		100	75		C7	P
FWI	893 200 000		4				30		REC		15mA	B4	RR
FW3	892 300 000		4				60		REC		20mA	B4	RR
FW4/500	982 300 000		4				120		REC		30mA	B5	RR
FW4/800	982 300 000		4				60		REC		20mA	B5	RR

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
FY	642 350 000		4	10	250	250	32	5	100	PenLF	5	B5	P
FZI	023 180 090		13				30		REC		15mA	B5	RR
F5	642 300 000		4	40	300		40	6	100		6	B4	T
F10	642 300 000		4	15	300		30	5.5	100		5.5	B4	T
F100	642 350 000		4	16	250	250	42	2.5	100	PenLF	2.5	B5	P
F203	642 300 000		2.5	5-6	275		36	2	150		2	B4	T
F209(A)	642 310 000		2.5	21	250		5	1	100		1	B5	T
F215	264 130 000		2.5	6	150		6.5	2	100		2	UX5	T
F215	642 310 000		2.5	6	150		6.5	2	100		2	B5	T
F242	265 130 000	G ₁	2.5	13	200	100	1.5	0.9	200	100	0.9	UX5	P
F410	642 300 000		4	15	275		13.5	2.8	100		2.8	B4	T
F443	642 350 000		4	30	400	200	45	3.2	100	100	3.2	B5	P
F443N	642 350 000		4	30	400	200	45	3.2	100	100	3.2	B5	P
F460	642 310 000		4	2	250		10	5.5	200		5.5	B5	T
F704	642 300 000		7.5	84	400		55	2.1	100		2.1	B5	T
F707	642 300 000		7.5	84	400		55	2.1	100		2.1	B4	T
F707	264 300 000		7.5	84	400		55	2.1	100		2.1	UX4	T
F708	264 300 000		7.5		400		30	1.6	100		1.6	UX4	T
G84	280 300 000		2.5				60		REC		20mA	UX4	R
G4100	802 300 000		4				120		REC		30mA	B4	R
G4150	892 300 000		4				60		REC		20mA	B4	RR
GR4	892 300 000		4				120		REC		30mA	B4	RR
GTIC	642 310 000		4		200		58	3KΩ	No Data Available			B5	Thyratron
GZ32	030 809 020		5				60		REC		20mA	A08	RR
GZ40	28* **9 130		5				30		REC		17mA	B8A	RR
GZ41	28* **9 130		5				60		REC		26mA	B8A	RR
HAD	908 231 600	G ₁	13	2.5	200		3.3	2	150		2	B7	DDT
HD2	642 300 000		2	5	200		5	1	150		1	B4	T
HD14	036 080 200	G ₁	1.4	1	100		0.14	0.28	100		0.28	A08	DT
HD21	682 390 000	G ₁	2	1.5	150		1.8	1.5	150		1.5	B4	DDT
HD22	682 390 000	G ₁	2	3	150		1.8	1.5	100		1.5	B5	DDT
HD23	682 390 000	G ₁	2	3	250		1	1.4	125		1.4	B5	DDT
HD24	682 390 000	G ₁	2	1.5	150		2.7	1.4	125		1.4	B5	DDT
HF121	26* 054 130		12.5	3	200	125	7.2	2.3	100	100	2	B8A	P
HLA1	642 310 000		4	1	200		5	8	200		7	B5	T
HLA2	642 310 000		4	2.5	200		6	5.5	150		5.5	B5	T
HLB1	642 300 000		2	3	150		2	1.5	100		1.5	B5	T
HL/DD1320	809 231 600	G ₁	13	3	200		4.3	1.9	150		1.9	B7	DDT
HL2	642 300 000		2	1.5	150		2.2	1.5	150		1.5	B4	T
HL2	023 004 060		2	1.5	150		2.2	1.5	150		1.5	8SC	T
HL2K	642 300 000		2	1.5	150		2.2	1.5	150		1.5	B4	T
HL2S	023 004 060		2	1.5	150		2.2	1.5	150		1.5	8SC	T
HL3	206 040 030		2	1.5	125		0.5	1.5	125		1.5	M08	T
HL4	642 310 000		4	4.5	250		5	3.5	150		3.5	B5	T
HL4g	000 231 600	G ₁	4	4.5	250		5	3.5	150		3.5	B7	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
HL4gs	023 100 060	G ₁	4	4.5	250		5	3.5	150		3.5	8SC	T
HL13	023 100 060	G ₁	13	3.7	200		5	3.3	150		3	8SC	T
HL13	000 231 600	G ₁	13	2.75	200		6	3.5	150		3.5	B7	T
HL13c	000 231 600	G ₁	13	2.7	200		5	3.3	150		3.3	B7	T
HL13g	023 004 060	G ₁	13	5.5	250		6	2.5	150		2.5	8SC	T
HL13s	023 100 060	G ₁	13	3	200		6	3.5	150		3.5	8SC	T
HL21	642 300 000		2	3	150		1.75	1.5	125		1.5	B4	T
HL21DD	682 390 000	G ₁	2	2	150		2	1.3	125		1.3	B5	DDT
HL22	020 604 030		2	2	150		2	1.3	125		1.3	M08	T
HL22DD	206 080 930	G ₁	2	2	150		2	1.3	125		1.3	M08	DDT
HL23	206 040 030		2	2.4	150		1.5	1.2	125		1.2	M08	T
HL23DD	206 080 930	G ₁	2	2.8	150		1.5	1.05	125		1.2	M08	DDT
HL41	216 040 030		4	4.5	250		7	3.1	150		3.1	M08	T
HL41DD	216 090 830	G ₁	4	5.2	250		6	2.2	250		2.2	M08	DDT
HL42DD	216 090 830	G ₁	4	5	200		7.5	2.5	200		1.85	M08	DDT
HL133	216 000 030	G ₁	13	3.3	200		6	2.9	200		2.9	M08	T
HL133DD	216 090 830	G ₁	13	5.4	250		6	2.3	150		2.3	M08	DDT
HL134DD	216 080 930	G ₁	13	5	250		7	2.5	100		2.5	M08	DDT
HL135	023 100 060	G ₁	13	3	200		6	3.5	150		3.5	8SC	T
HL210	642 300 000		2	1	100			0.7	100		0.7	B4	T
HL607	642 300 000		6	1	100			1	100		1	B4	T
HL1320	000 231 600	G ₁	13	3.3	200		6	3	150		3	B7	T
HP2	446 230 700		2	1	125		8.5		125			B7	TT
HP6	412 361 500		6	2	250	250	10	7.5	150	200	6.5	B7G	P
HP13	061 231 500	G ₁	13	1	250	100	8	3.5	250	100	3.5	B7	P
HP13s	023 110 560	G ₁	13	1	250	100	8	3.5	250	100	3.5	8SC	P
HP210	542 300 000	A	2	1.5	150	150	1.9	1.9	150	150	1.9	B4	P
HP210	041 230 500	A	2	1.5	150	150	1.9	1.9	150	150	1.9	B7	P
HP210C	041 230 500	A	2	1	150	150	1.9	1.9	150	150	1.9	B7	P
HP210nc	542 300 000	A	2	1	150	150	1.9	1.9	150	150	1.9	B4	P
HP210nc	041 230 500	A	2	1	150	150	1.9	1.9	150	150	1.9	B7	P
HP211C	041 230 500	A	2		150	150	2.6	1.7	150	150	1.7	B7	P
HP211c	542 300 000	A	2	1	150	150	2.6	1.7	150	150	1.7	B4	P
HP211	041 230 500	A	2	1	150	150	2.6	1.7	150	150	1.7	B7	P
HP215	542 300 000	A	2	1.5	150	80	1.5	1.2	150	75	1.2	B4	P
HP215	041 230 500	A	2	1.5	150	80	1.5	1.2	150	75	1.2	B7	P
HP415	041 231 500	A	4	2	250	100	8	2.7	100	100	2.7	B7	P
HP1018	160 152 300	G ₁	10		250	150	2.3	1.25	100	PenLF	1.25	C7	P
HP1118	160 152 300	G ₁	10	3	250	150	10.5	1.65	100	125	1.65	C7	P
HP2018	041 231 500	A	20	2	200	100	4	3.5	200	100	3.5	B7	P
HP2018	542 310 000	A	20	2	200	100	4	3.5	100	100	3.5	B5	P
HP2118	041 230 500	A	20	2	200	100	5	3.5	100	100	3.5	B7	P
HP2118	542 310 000	A	20	2	200	100	5	3.5	100	100	3.5	B5	P
HP4100	542 310 000	A	4	2	200	100	3	3.5	100	100	3.5	B5	P
HP4101	041 231 500	A	4	2	200	100	3.5	3.5	100	100	3.5	B7	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
HP410I	542 310 000	A	4	2	200	100	3.5	3.5	100	100	3.5	B5	P
HP410Ic	542 310 000	A	4	2	200	100	3.5	2.8	100	100	2.8	B5	P
HP410Ic	041 231 500	A	4	2	200	100	3.5	2.8	100	100	2.8	B7	P
HP4105	542 310 000	A	4	2	250	100	4.5	3	100	100	3	B5	P
HP4105	041 231 500	A	4	2	250	100	4.5	3	100	100	3	B7	P
HP4106	041 231 500	A	4	2	200	100	5	3.5	100	100	3.5	B7	P
HP4106	542 310 000	A	4	2	200	100	5	3.5	100	100	3.5	B5	P
HP4106C	041 231 500	A	4		200	100	5	3.5	100	100	3.5	B7	P
HP4106C	542 310 000	A	4		200	100	5	3.5	100	100	3.5	B5	P
HP4115	041 231 500	A	4	2	200	100	4.3	3.2	100	100	3.2	B7	P
HP4115	542 310 000	A	4	2	200	100	4.3	3.2	100	100	3.2	B5	P
HP4115c	542 310 000	A	4	2	250	100	4.5	3.2	100	100	3.2	B5	P
HP4115c	041 231 500	A	4	2	250	100	4.5	3.2	100	100	3.2	B7	P
HR2	112 311 100	D ₁	4				5		D			B7G	R
HR2	642 300 000		2	2	150		1.2	0.6	125		0.6	B4	T
HR2S	023 004 060		2	2	150		1.2	0.6	125		0.6	8SC	T
HR3	112 311 100	D ₁	4				15		REC		10mA	B7G	R
HR4	112 311 100	D ₁	4				30		REC		15mA	B7G	R
HR5	112 311 100	D ₁	4				30		REC		15mA	B7G	R
HR6	112 311 100	D ₁	4				60		REC		20mA	B7G	R
HR7	020 000 030	D ₁	4				30		REC		15mA	A08	R
HR210	642 300 000		2	1.5	200		1	1.3	150		1.3	B4	T
HR406	642 300 000		4	3	200		1	1.5	150		1.5	B4	T
HR410	642 300 000		4	3	200		1	1.5	150		1.5	B4	T
HSD	809 231 600	G ₁	13	3	200		4.6	2.3	150		2.3	B7	DDT
HVR1	002 300 000	D ₁	2				5		D			B4	R
HVR2	003 200 000	D ₁	4				3		D			B4	R
HVR2A	003 200 000	D ₁	2				3		D			B4	R
HVU1	002 300 000	D ₁	4				3		D			B4	R
HY24	264 300 000		2	45	175		20		100			UX4	T
HY65	030 540 210	A ₁	6	45	350	200	63		100	100		A08	P
HY113	264 030 000		1.4	4.5	50		0.4	0.25	No Data Available			UX5	T
HY115	364 520 000		1.4	1.5	50	20	0.03	0.06	No Data Available			UX5	P
HY125	364 520 000		1.4	3	50	50	0.9		No Data Available			UX5	P
HY615	020 000 310	A ₁ G ₁	6	35	300		20		100			A08	T
HY866	280 300 000		2.5				120		REC		30mA	UX4	R
HZ50	280 300 000		13				60		REC		20mA	UX4	R
H2	642 300 000		2	1	150		2.5	0.8	150		0.8	B4	T
H4D	809 231 600	G ₁	4	2.5	200		5.5	2.7	150		2.7	B7	DDT
HI2	642 300 000		2	1.5	100		0.6	1.2	100		1.2	Sm4	T
HI3	023 100 060	G ₁	13	4	200		6	2.5	100		2.5	A08	T
H20	642 310 000		20	1.6	200		0.2	1.0	100		1.0	B5	T
H30	000 231 600	G ₁	13	1.5	250		7.5	6.0	200		6	B7	T
H42	000 231 600	G ₁	4	2	250		1	1.7	200		1.7	B7	T
H63	020 600 310	G ₁	6	2	250		1	1.5	200		1.5	A08	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
HI41D	206 080 030	G ₁	1.4	1	90		0.1	0.25	80		0.25	M08	DT
H210	642 300 000		2	3	150		1.1	1.15	100		1.15	B4	T
H607	642 300 000		6	1	100			0.45	100		0.45	B4	T
IRV120/350s	023 180 090		4				60		REC		20mA	8SC	RR
IW2	893 200 000		4				30		REC		15mA	B4	RR
IW3	892 300 000		4				60		Rec		20mA	B4	RR
IW4/350	892 300 000		4				60		REC		20mA	B4	RR
IW4/500	893 200 000		4				60		REC		20mA	B4	RR
KBC1	023 098 060	G ₁	2	4.5	150		2.5	1.0	100		1	8SC	DDT
KBC32	036 980 200	G ₁	2	1	100		2.4	1.2	100		1.2	A08	DDT
KCF30	037 546 200	G ₁	2	{ 1 2.5 75 5	100	0	3.7	1.6	100		1.7		
					125	80	1.5	0.9	100	75	0.9	A08	TP
KCH1	023 064 570	G ₁	2		75		3	1.7	80		1.7	8SC	TH
KCI	023 004 060		2		150	60	1		100	60			
KC3	023 004 060		2		1.5	150		1.2	0.6	125		0.6	8SC
KC4	023 004 060		2	2.8	150		3	2.5	100		2.5	8SC	T
			2	1.5	150		2.2	1.4	125		1.4	8SC	T
KC50	642 300 000		2	1	40		0.25	0.4	No Data Available			Sm4	T
KC51	642 300 000		2	2	40		1.25	0.5	No Data Available			Sm4	T
KDD1	023 074 460		2	0	90		0.8		80			8SC	TT
KD50	642 300 000		2	2.8	40		1.8	0.56	No Data Available			Sm4	T
KE50	542 300 000	A	2	2	125	50	0.8	0.56	100	60	0.56	Sm4	P
KF1	050 412 300	A	2	1	125	150	3	1.8	125	150	1.8	C7	P
KF2	050 412 300	A	2	1	125	150	3	1.3	125	150	1.3	C7	P
KF3	023 010 560	G ₁	2	1	90	90	1	0.5	80	90	0.5	8SC	P
KF4	023 010 560	G ₁	2	1	90	90	1.2	0.7	80	90	0.7	8SC	P
KF7	023 004 500	A	2	1.5	90	90	1.8	0.7	80	90	0.7	8SC	P
KF8	023 004 500	A	2	1	90	90	1.5	0.6	80	90	0.6	8SC	P
KF35	026 510 300	G ₁	2	1.5	125	60	1.45	1.08	125	60	1.08	A08	P
KH1	023 051 560	G ₁	2	1.5	125	60		1.4	125	60	1.4	8SC	P
KK2	023 064 560	G ₁	2	1	90	50	2		80	60		8SC	O
KK32	037 546 200	G ₁	2	{ 0.5 90	90	50	1.3		80			A08	O
					100	50	0.7		100	60			
KLL3	423 564 570		2	12	150	150	8		100	100		8SC	PP
KLL32	026 447 350		2	11.3	125	150	3.8	2.6	100	100	2.6	A08	PP
KLI	642 350 000		2	4.5	90	90	8	1.7	80	75	1.7	B5	P
KLI	032 004 560		2	4.5	90	90	8	1.7	80	75	1.7	8SC	P
KL2	023 004 560		2	7.5	90	90	11	1.8	80	75	1.8	8SC	P
KL4	023 004 560		2	2.5	90	90	4.7	1.8	80	75	2.8	8SC	P
KL5	032 004 560		2	4	90	90	4.8	1.4	80	75	1.4	8SC	P
KL35	036 540 200		2	4.5	125	150	5.6	2.2	100	100	2.2	A08	P
KR5	264 530 000		6	9	150	150	14	1.9	100	100	1.9	UX5	P
KR20	264 413 000		2.5	0	250		3.5	1.4	250		1.4	UX6	T
KR22	264 413 000		6	0	250		3.5	1.4	250		1.4	UX6	T
KR25	265 413 000		2.5	16.5	250	250	34	2.2	100	PenLF	2.2	UX6	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
KR28	289 130 000		6				30		REC		15mA	UX5	RR
KR31	281 300 000		10				120		REC		30mA	UX4	R
KTW61	026 510 310	G ₁	6	3	250	100	10	2.9	100	90	2.9	A08	P
KTW62	026 500 310	G ₁	6	3	250	100	8	2.85	100	100	2.8	A08	P
KTW63	026 510 310	G ₁	6	3	250	100	7.6	1.5	100	90	1.5	A08	P
KTW73	026 510 310	G ₁	6	3	250	100	6.5	1.7	100	90	1.7	A08	P
KTW74	026 500 310	G ₁	13	3	250	100	6.5	1.7	100	90	1.7	A08	P
KTZ41	061 231 500	G ₁	4	1.5	250	250	18	12	200	200	10	B7	P
KTZ63	026 500 310	G ₁	6	2	250	100	1	1.23	100	100	1.2	A08	P
KTZ73	026 500 310	G ₁	6	3	250	100	2	1.5	100	90	1.5	A08	P
KT2	642 350 000		2	4.5	150	150	7.5	2.5	100	100	2.5	B5	P
KT8	542 310 000	A	6	16	250	250	72	6	100	100	6	B5	P
KT8C	542 310 000	A	6	16	250	250	72	6	100	PenLF	6	B5	P
KT21	642 350 000		2	2.5	150	125	5.3	5.3	100	100	5.3	B5	P
KT24	642 350 000		2	2.8	150	150	10	3.2	100	125	3.2	B5	P
KT30	045 231 600		13	12	250	250	40	3.9	100	PenLF	3.9	B7	P
KT31	305 221 600	G ₁	13	4	200	175	40	10	100	150	9	B7	P
KT32	026 540 310		26	7.6	125	150	75	9	100	100	8	A08	P
KT33	026 540 310		26	13.2	200	200	60	10	100	100	9	A08	P
KT33c	326 540 210		13	7	175	175	92	10	100	100	9	A08	P
KT35	326 540 210		13	11.5	200	200	50	10	100	100	9	A08	P
KT36	020 540 310	A	26	10	150	150		11	100	100	10	A08	P
KT41	045 231 600		4	4.4	250	250	40	10.5	100	PenLF	9	B7	P
KT42	045 231 600		4	16.5	250	250	34	2.5	100	PenLF	2.5	B7	P
KT44	041 231 500	A	4	15	250	250	85	6.25	100	PenLF	6.2	B7	P
KT45	041 231 500	A	4	15	250	250	85	6.3	100	PenLF	6.0	B7	P
KT61	026 540 310		6	4.4	250	250	40	10.5	100	PenLF	9	A08	P
KT63	026 540 310		6	16.5	250	250	34	2.5	100	PenLF	2.5	A08	P
KT66	026 540 310		6	15	250	250	85	6.3	100	PenLF	6.0	A08	P
KT71	026 540 310		48	9.8	175	175	70	10	100	100	9	A08	P
KT72	026 540 310		16	12.5	175	175	30	2.5	100	100	2.5	A08	P
KT73	026 540 310		6	12.5	175	175	35	2.5	100	100	2.5	A08	P
KT74	026 540 310		16	12.5	175	175	30	2.5	100	100	2.5	A08	P
KT76	026 540 310		15	13	175	175	35	2.5	100	100	2.5	A08	P
KT81	265 004 130		6	4.4	250	250	40	10.5	100	PenLF	9	B8B	P
KT101	265 004 130		80	9.5	175	175	70	10	100	100	9	B8B	P
K4	892 300 000		4				120		REC		30mA	B4	RR
K23A	682 390 000	G ₁	2	5.5	150		2.5	1.4	100		1.4	B5	DDT
K23B	682 390 000	G ₁	2	1.5	150		1.4	1.2	150		1.2	B5	DDT
K24	265 130 000	G ₁	2.5	1.5	175	75	2	0.8	100	75	0.8	UX5	P
K27	264 130 000		2.5	4.5	90		3	1	80		1	UX5	T
K30A	642 300 000		2	3	150		1.5	0.8	150		0.8	B4	T
K30B	642 300 000		2	7.5	150		4	0.9	100		0.9	B4	T
K30C	642 300 000		2	1.5	150		2	1.4	100		1.4	B4	T
K30D	642 300 000		2	3	150		4	1.5	100		1.5	B4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
K30E	642 300 000		2	4.5	150		2	1.5	100		1.5	B4	T
K30g	642 300 000		2	7	150		6	3.5	100		3.5	B4	T
K30K	642 300 000		2	1.5	150		2.2	1.4	100		1.4	B4	T
K33A	064 234 700		2	0	150		3		150			B7	TT
K33B	446 230 700		2	1.5	125		3	2.1	125		2.1	B7	TT
K40B	542 300 000	A	2	0	150	75	2	1.5	100	75	1.5	B4	P
K40N	542 300 000	A	2	0	150	90	2.5	1.4	100	90	1.4	B4	P
K40N	041 230 500	A	2	0	150	90	2.5	1.4	100	90	1.4	B7	P
K50M	041 231 500	A	2	5	125	125	3	1.5	100	100	1.5	B7	P
K50N	064 235 500	G ₁	2	1.5	125	60	2	1.4	125	60	1.4	B7	P
K70B	642 350 000		2	4.5	150	150	9.5	2.5	100	100	2.5	B5	P
K70D	642 350 000		2	2.4	125	150	5	4	100	125	4	B5	P
K77A	465 230 574		2	10.5	125	150	2.5	4	100	100	4	B9	PP
K450/50	642 300 000		4	50	400		120	5	100		5	B4	T
LA	364 520 000		6	12	175	175	22	2.2	100	100	2.2	UX5	P
LD210	642 300 000		2	4.5	150		3	1.3	125		1.3	B4	T
LD410	642 300 000		4	6	200		4	1.8	100		1.8	B4	T
LG5	218 090 130		6				120		REC		30mA	A08	RR
LG14	123 000 000	D ₁	6				5		D			B3G	R
LL2	642 300 000		2	2.5	150		3	2.6	125		2.6	B4	T
LL2s	023 004 060		2	2.5	150		3	2.6	125		2.6	8SC	T
LL4	642 310 000		4	10	350		18	3.5	125		3.5	B5	T
LN152	641 237 154		6	2.3	100	0	4	1.4	100		1.4	B9A	TP
LN309	641 237 154		12.5	6.7	175	175	15	3.4	100	100	3		
				8.5	250	0	10.5	2.2	100		2		
				8	175	175	30	4.5	100	100	4	B9A	TP
LP2	642 300 000		2	4.5	150		10	3.6	100		3.6	B4	T
LP4	642 300 000		4	36	250		48	5.5	100		5.5	B4	T
LP220	642 300 000		2	4.5	150		5	3.5	100		3.5	B4	T
L2	642 300 000		2	3.8	150		4	1.5	125		1.5	B4	T
L2D	642 310 000		2	4.5	150		2	1.5	100		1.5	B5	T
L2/DD	682 390 000	G ₁	2	3.8	150		4	1.6	100		1.6	B5	DDT
L4	642 300 000		4	16	250		20	3.2	100		3.2	B4	T
L11	642 300 000		1	12	100		2.8	0.57	100		0.57	B4	T
L12	642 300 000		2	3	40		2.2	0.8	No Data Available			Sm4	T
L21	642 300 000		2	6	150		2.2	1.8	100		1.8	B4	T
L21DD	682 390 000	G ₁	2	6	150		2.2	1.8	100		1.8	B5	DDT
L22DD	206 080 930	G ₁	2	42	150		4	1.55	100		1.55	A08	DDT
L30	040 231 600		13	8	200		25	4.2	100		4.2	B7	T
L63	026 040 310		6	8	250		9	2.6	100		2.6	A08	T
L77	6*2 364 100		6	8.5	250		10.5	2.2	100		2.2	B7G	T
L210	642 300 000		2	6	150		4.2	1.6	100		1.6	B4	T
L408	642 300 000		4	3	150		5	1.5	125		1.5	B4	T
L412	642 300 000		4	1.5	200		3	1.2	200		1.2	B4	T
L414	642 300 000		4	8	150		12	2.8	100		2.8	B4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
L415	642 300 000	G ₁	4	10	200		8	2	100		2	B4	T
L486D	642 350 000		4	15	250	250	35	2.7	100	PenLF	2.7	B5	P
ME2	642 350 000		2	12	200	200	13		100	100		B5	P
ME25	642 350 000		4	30	400	300	60		100	100		B5	P
MHD4	908 231 600		4	4	250		4	2.2	150		2.2	B7	DDT
MHL4	642 310 000	G ₁	4	8	250		8	2.5	100		2.5	B5	T
MHLD6	026 890 310		6	5	200		11.5	3	100		3	A08	DDT
MH4	642 310 000		4	4	250		5	3.6	150		3.6	B5	T
MH40	642 310 000		4	3	200		2.7	2.4	100		2.4	B5	T
MH41	642 310 000		4	1.5	200		5.2	6	200		6	B5	T
MH206	645 230 600	G ₁	2	3	150	75	3.2		100	75		B7	H
MH1118	426 510 310	G ₁	10	3	200	100	3.5		100	90		A08	P
MH4105	645 231 700	G ₁	4	3	200	100	7.5		100	100		B7	H
MKT4	045 231 600	S	4	11	250	200	32	3	100	100	3	B7	P
MKT4	642 310 000		4	11	250	200	32	3	100	100	3	B5	P
ML4	642 310 000	A	4	16	250		14	4.2	100		4.2	B5	T
ML6	642 310 000		6	8	200		24	3.8	100		3.8	B5	T
ML40	642 310 000		4	3	200			3	100		3	B5	T
MM4V	542 310 000		4	1.5	200	125	6	2.5	100	100	2.5	B5	P
MM20	542 310 000		20	0	200	100	6	3.5	100	100	3.5	B5	P
MO465	645 231 700	G ₁	4	{ 1.5 1.5 8.5	75		2		80				
					250	75	1.6		100	75		B7	O
					90		2		80				
MO495	123 174 560	G ₁	4		250	75	1.6		100	75		8SC	O
MP Pen	045 231 600	S	4	16	250	250	30	3.5	100	PenLF	3.5	B7	P
MP Pen	642 310 000		4	16	250	250	30	3.5	100	150	3.5	B5	P
MPT4	045 231 600		4	9	250	200	32	3	100	PenLF	3	B7	P
MPT4	642 310 000	S	4	9	250	200	32	3	100	PenLF	3	B5	P
MP2	642 300 000	G ₁	2	12	150		12.5	3	100		3	B4	T
MP4	067 231 500		4		250	150	8	2.5	100	100	2.5	B7	PP
MRI	802 300 000		4				120		REC		30mA	B4	R
MR4	642 300 000		4	3	200		6	2.5	150		2.5	B4	T
MSG/HA	542 310 000	A	4	1.5	200	80	2.1	2	100	75	2	B5	P
MSG/LA	542 310 000	A	4	1.5	200	75	5.2	3.75	100	75	3.75	B5	P
MS/Pen	041 231 500	A	4	1.5	200	100	4.8	2.8	100	100	2.8	B7	P
MS/Pen	542 310 000	A	4	1.5	200	100	4.8	2.8	100	100	2.8	B5	P
MS/PenA	542 310 000	A	4	2.5	200	150	9	4	100	125	4	B5	P
MS/PenA	041 231 500	A	4	2.5	200	150	9	4	100	150	4	B7	P
MS/PenB	061 231 500	G ₁	4	1.5	200	100	4.8	2.8	100	100	2.8	B7	P
MS/PenT	041 231 500	A	4	1.5	200	100	4.8	2.8	100	100	2.8	B7	P
MS/PenT	542 310 000	A	4	1.5	200	100	4.8	2.8	100	100	2.8	B5	P
MSP4	041 231 500	A	4	1.5	200	75	2.4	1.1	100	75	1.1	B7	P
MSP4	542 310 000	A	4	1.5	200	75	2.4	1.1	100	75	1.1	B5	P
MSP41	542 310 000	A	4	4	250	250	8.5	3.2	100	PenLF	3.2	B5	P
MSP41	041 231 500	A	4	4	250	250	8.5	3.2	100	PenLF	3.2	B7	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
MS4	542 310 000	A	4	1.5	250	75	2.4	1.1	250	75	1.1	B5	P
MS4B	542 310 000	A	4	1	200	75	3.4	3.2	200	75	3.2	B5	P
MUI	002 300 000	D ₁	4				60		REC		20mA	B4	R
MU2	002 300 000	D ₁	2				5		D			B4	R
MUI2	892 300 000		4				60		REC		20mA	B4	RR
MUI2/14	892 300 000		4				60		REC		20mA	B4	RR
MUI4	892 300 000		4				60		REC		20mA	B4	RR
MU4250	232 300 000	D ₁	4				120		REC		30mA	B4	R
MVSG	542 310 000	A	4	1.5	200	75	7.5	2.5	100	75	2.5	B5	P
MVSPen	542 310 000	A	4	2	250	125	5.1	2.3	200	100	2.3	B5	P
MVSPen	041 231 500	A	4	1.5	200	100	4.3	2.2	100	100	2.2	B7	P
MVSPenB	061 231 500	G ₁	4	1.5	200	100	4.3	2.2	200	100	2.2	B7	P
MX40	645 231 700	G ₁	4	3	150				100				
					250	75			100	75	2.8	B7	TH
MZ05-20	642 300 000		6	12	350		45	4.2	100		4	B4	T
NF2	023 110 560	G ₁	12.5	2	200	250	3	2.1	100	150	2.1	8SC	P
NF3	023 110 560	G ₁	12.5	2	200	100	4.5	2.3	100	100	2.3	8SC	P
NG320	002 300 000	D ₁	2						D			B5	D
NI4	036 540 200		1.4	7	90	90	7	1.55	80	75	1.55	A08	P
NI5	026 540 230		1.4	7	90	90	7	1.55	80	75	1.55	A08	P
NI6	026 540 230		1.4	4.5	90	90	9.5	2.1	80	90	2.1	A08	P
NI7	264 536 200		1.4	7	90	75	7.4	1.58	80	60	1.58	B7G	P
NI8	364 526 300		1.4	4.5	90	90	9.5	2.1	80	75	2	B7G	P
NI9	365 *24 300		1.4	4.5	90	90	9.5	2.1	80	75	2	B7G	P
N30	045 231 600		13	12	250	250	40	3.9	100	PenLF	3.9	B7	P
N31	205 331 600	G ₁	13	4	200	175	40	10	100	125	9	B7	P
N37	412 36* 500		13	8	175	150	50	10	100	100	9	B7G	P
N40	045 231 600		4	3.5	250	250	32	2.9	100	150	2.9	B7	P
N41	045 231 600		4	4.4	250	250	40	10.5	100	PenLF	9	B7	P
N42	045 231 600		4	16.5	250	250	34	2.5	100	PenLF	2.5	B7	P
N43	005 231 600	G ₁	4	4.4	250	250	40	10	100	PenLF	9	B7	P
N63	026 540 310		6	16.5	250	250	34	2.5	100	150	2.5	A08	P
N66	026 540 310		6	15	250	250	85	6.3	100	150	6	A08	P
N77	412 360 500		6	12	250	250	20	2.6	100	PenLF	2.6	B7G	P
N78	412 36* 500		6	5.5	250	250	35	10	100	150	9	B7G	P
NI08	412 36* 500		40	8	175	150	50	10	100	100	9	B7G	P
NI42	261 *54 130		45	9.5	175	175	54.5	9.5	100	100	9	B8A	P
NI44	412 360 500		6	12.5	250	250	16	2.6	100	PenLF	2.6	B7G	P
NI45	261 *54 130		40	6.3	175	150	29	7.5	100	100	7	B8A	P
NI47	026 540 310		6	6	250	250	36	9	100	PenLF	8	A08	P
NI48	265 004 130		6	12.5	250	250	45	4.1	100	100	4	B8A	P
NI50	261 054 130		6	7	250	250	36	10	100	100	9	B8A	P
NI51	261 054 130		6	13.5	250	250	22.5	2.9	100	100	2.9	B8A	P
NI52	*41 23* *51	A	21.5	22	175	175	45	6.2	100	100	6.2	B9A	P
N339	*41 23* *51	A	20	12	150	150	50	8.5	100	100	7	B9A	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
OBC3	041 896 230		12.5	2	250		1	1.1	150		1.1	A08	DDT
OMI	020 080 310		30				120		REC		30mA	A08	R
OM3	028 190 310		6						D			A08	DD
OM4	026 980 310	G ₁	6	5	250		5.5	2.2	100		2.2	A08	DDT
OM5	026 510 310	G ₁	6	2	250	100	3	1.8	100	100	1.8	A08	P
OM6	026 510 310	G ₁	6	2.5	250	100	6	2	100	100	2	A08	P
OM7	026 510 310	G ₁	6	2.5	250	100	6	2	100	100	2	A08	P
OM9	026 500 310	G ₁	6	18	250	250	32	2.8	100	150	2.8	A08	P
OM10	027 546 310	G ₁	6	2	100		5.4	2.2	100		2.8		
OP41	045 231 600		4	2	250	100	5	2.4	100	100	1.2	A08	TH
			4	12.5	250	250		9.1	100	100	8	B7	P
OP42	045 231 600		4	6.2	250	250		10.5	100	150	9	B7	P
015/400	642 300 000		4	35	400		40	4.5	100		4.5	B4	T
PAB1	023 110 980		6						D			8SC	DDD
PA1	642 310 000		4	10	200		40	5	100		5	B5	T
PA20	642 300 000		2	36	300		49	5.2	100		5	B4	T
PA40	642 300 000		4	90	400		200	10	100		9	B4	T
PBF2	026 895 310	G ₁	6	3	250	100	5.8	1.2	100	100	1.2	A08	DDP
PB495	892 300 000		4				30		REC		15mA	B4	RR
PD220	446 230 700		2	1.15	150		0.8	0.9	150		0.9	B7	TT
PD220A	446 230 700		2	6	150		32	1.5	100		1.5	B7	TT
PenA1	642 350 000		4	16.5	250	250	32	3	100	PenLF	3	B5	P
PenA4	045 231 600		4	5.8	250	250	36	9.5	100	PenLF	9	B7	P
PenA4	005 231 600	G ₁	4	5	250	250	40	9.1	100	100	8	B7	P
PenB1	642 350 000		2	4.5	150	150	8		100	100		B5	P
PenB4	045 231 600		4	14	250	275	72	8.5	100	PenLF	7	B7	P
PenDD1360	968 231 500	G ₁	13	5.3	250	250	32	8.2	100	PenLF	7	B7	DDP
PenDD2530	869 231 500	G ₁	25	7.75	250	250	43	7.8	100	150	7.8	B7	DDP
PenDD4020	968 231 500	G ₁	40	7.75	250	250	43	7.8	100	PenLF	6	B7	DDP
PenDD4021	968 231 500	G ₁	45	10	175	175	64	10.5	100	PenLF	8	B7	DDP
Pen4DD	918 236 500	G ₁	4	6	250	250	36	9.5	100	PenLF	8	B7	DDP
Pen4VA	642 310 000	S	4	22	250	250	36	2.8	100	PenLF	2.8	B5	P
Pen4VA	045 231 600		4	22	250	250	36	2.8	100	PenLF	2.8	B7	P
Pen4VB	045 231 600		4	5.8	250	250	36	9.5	100	PenLF	8	B7	P
Pen4VX	642 310 000	S	4	15	350	200	22	3.5	100	150	3.5	B5	P
Pen13	023 100 560	G ₁	13	14	200	200	25	2.5	100	100	2.5	8SC	P
Pen13A	023 110 560	G ₁	33	8.5	200	200	45	8	100	100	6	8SC	P
Pen13C	045 231 600		13	11	250	250	32	6.5	100	PenLF	6	B7	P
Pen20	642 310 000	S	20	18	200	200	20	1.7	100	150	1.7	B5	P
Pen24	206 540 030		2	3.3	125	125	5	4	100	100	4	M08	P
Pen25	206 540 030		2	3.6	125	125	5	3	100	100	3	M08	P
Pen26	023 100 560	G ₁	24	19	200	100	40	3.1	100	60	3	8SC	P
Pen36A	145 231 600		35	8.5	200	200	45	8	100	150	7	B7	P
Pen36C	045 231 600		33	8.5	200	200	45	8	100	100	7	B7	P
Pen40DD	918 236 500	G ₁	44	8.5	200	200	45	8	100	100	7	B7	DDP

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
Pen44	216 540 030	G ₁ A	4	11	300	275	70	10.6	100	PenLF	9	M08	P
Pen45	216 540 030		4	8.5	250	250	40	8.8	100	PenLF	8	M08	P
Pen45DD	216 590 830		4	8.5	250	250	40	8.8	100	PenLF	8	M08	DDP
Pen46	210 540 030		4	8.5	300	225	63	8.5	100	PenLF	8	M08	P
Pen141	206 540 030		1.4	9	90	90	5.5	1.4	90	75	1.4	M08	P
Pen220	642 350 000	G ₁ A	2	4.9	150	150	9	2.2	100	125	2.2	B5	P
Pen220A	642 350 000		2	9	150	150	18	2.2	100	100	2.2	B5	P
Pen231	642 350 000		2	2.5	125	125	5	3.6	100	100	3.6	B5	P
Pen383	216 540 030		38	10	175	175	64	10.5	100	100	9	M08	P
Pen384	216 540 030		38	7	125	125	40	7.8	100	100	7	M08	P
Pen425	642 350 000	G ₁ A	4	25	300	200	20	1.7	100	100	1.7	B5	P
Pen428	045 231 600		4		250	250	72		100	PenLF		B7	P
Pen453DD	216 590 830		45	10	175	175	64	10.5	100	100	9	M08	DDP
Pen650	023 114 500		6	24	400	300	30	5	100	150	5	8SC	P
Pen1340	045 231 600		13	8.6	250	250	41	6.4	100	PenLF	6	B7	P
Pen2020	023 100 560	G ₁ A	20	19	200	100	40	3.1	100	60	3.1	8SC	P
Pen3520	045 231 600		35	8	200	200	40	7.3	100	100	7	B7	P
Pen3820	045 231 600		38	10	150	175	64	10.5	100	100	9	B7	P
PF9	026 510 310		6	3.5	250	100	7.5	1.65	100	100	1.6	A08	P
PF462	041 230 500		2	1	150	150	3	1.85	150	150	1.85	B7	P
PF472	041 230 500	A	2	0.5	150	150	2.5	1.7	150	150	1.7	B7	P
PL33	026 540 310		19	6	250	250	36	9.0	100	PenLF	8	A08	P
PL38	120 540 310		30	5.5	200	200	75	13.5	100	PenLF	10	A08	P
PL81	*41 23* *51		21.5	28	200	200	40	6	100	100	6	B9A	P
PL82	*41 23* 6*5		16	14.2	200	200	45	8.2	100	100	7	B9A	P
PL83	541 231 600	A	15	2.9	175	175	36	10	100	100	9	B9A	P
PM1A	642 300 000		2	0	100		1	1.2	100		1.2	B4	T
PM1HF	642 300 000		2	3	150		1.5	0.8	100		0.8	B4	T
PM1HL	642 300 000		2	1.5	150		2.3	1.2	150		1.2	B4	T
PM1LF	642 300 000		2	6	125		3	0.9	100		0.9	B4	T
PM2	642 300 000	A	2	7	100		4	0.9	100		0.9	B4	T
PM2A	642 300 000		2	6	150		5	2	100		2	B4	T
PM2B	446 230 700		2	1	125		3	2.5	100		2.5	B7	TT
PM2BA	446 230 700		2	1	100			2.1	100		2.1	B7	TT
PM2DL	642 300 000		2	4.5	150		2	1.5	100		1.5	B4	T
PM2DX	642 300 000	A	2	5	150		2.3	1.05	100		1	B4	T
PM2HL	642 300 000		2	1.5	150		2.2	1.4	150		1.4	B4	T
PM3	642 300 000		4	0	100		2	1.05	100		1.0	B4	T
PM4DX	642 300 000		4	0	100		1.5	2	100		2	B4	T
PM12	542 300 000		2		150	75	4.25	1.1	100	75	1.1	B4	P
PM12A	542 300 000	A	2	1	150	75	2	1.5	100	75	1.5	B4	P
PM12M	542 300 000		2	1	150	90	2.5	1.4	150	90	1.4	B4	P
PM12V	542 300 000		2	0	150	90		0.75	100	90	0.7	B4	P
PM14	542 300 000		4	0	150	75	2.75	0.87	100	75	0.8	B4	P
PM22	642 350 000		2	10	150	150	15	1.3	100	100	1.3	B5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
PM22A	642 350 000		2	4.5	150	150	5.6	2.2	100	125	2.2	B5	P
PM22C	642 350 000		2	16	150	150	23	3	100	100	3	B5	P
PM22D	642 350 000		2	3	150	150	5	3	100	125	3	B5	P
PM24	642 350 000		4	11	150	150	20	1.75	100	100	1.7	B5	P
PM24	642 310 000	S	4	11	150	150	20	1.75	100	100	1.7	B5	P
PM24A	642 350 000		4	22.5	300	200	20	2	100	100	2	B5	P
PM24B	642 350 000		4	40	400	300	30	2.1	100	100	2.1	B5	P
PM24C	642 350 000		4	28	400	200	30		100	100		B5	P
PM24D	642 350 000		4	35	400	200	50	4	100	100	4	B5	P
PM24E	642 350 000		4	40	300	300	83	3.9	100	150	3.9	B5	P
PM24M	642 350 000		4	17	250	250	30	3	100	PenLF	3	B5	P
PM202	642 300 000		2	12	150		14	2.5	100		2.5	B4	T
PM252	642 300 000		2	15	125		10		100			B4	T
PM254	642 300 000		4	21	200		15		100			B4	T
PM256	642 300 000		6	27	250		20		100			B4	T
PN2	642 350 000		2	7.5	150	150	6		100	100		B5	P
PP2	642 300 000	S	2	5	150	150	7	2.1	100	100	2.1	B4	P
PP2	642 350 000		2	5	150	150	7	2.1	100	100	2.1	B5	P
PP2s	023 004 560		2	5	150	150	7	2.1	100	100	2.1	8SC	P
PP3/250	642 300 000		4	37	300		48	5.2	100		5.2	B4	T
PP4	642 350 000		4	15	250	250	36		100	PenLF		B5	P
PP4s	032 004 560		4	15	250	250	36		100	PenLF		8SC	P
PP4s	642 350 000		4	15	250	250	36		100	PenLF		B5	P
PP5/400	642 300 000		4	32	400		62	8	100		7	B4	T
PP6As	023 104 560		6	18	250	250	32	2.85	100	PenLF	2.8	8SC	P
PP6B	265 413 000		6		250	250	36	10	100	PenLF	9	UX6	P
PP6BG	026 540 310		6	6	250	250	36	10	100	PenLF	9	A08	P
PP6C	026 540 310		6	12	250	200	36	10	100	PenLF	9	A08	P
PP6E	045 231 600		6	17	400	275	72	8.5	100	PenLF	8	B7	P
PP13A	045 231 600		13	12	200	200	40	2.65	100	100	2.5	B7	P
PP13s	023 100 560	G ₁	13	14	200	200	25	3.5	100	100	3.5	8SC	P
PP24	005 231 600	G ₁	24	19	200	100	40	3	100	75	3	B7	P
PP24S	023 100 560	G ₁	24	19	200	100	40	3	100	75	3	8SC	P
PP34	005 231 600	G ₁	35	6.5	200	200	45	8.5	100	100	8	B7	P
PP34S	023 100 560	G ₁	35	6.5	200	200	45	8.5	100	100	8	8SC	P
PP35	045 231 600		35	6.5	200	200	45	8.5	100	100	8	B7	P
PP36	145 231 600		35	6.5	200	200	45	8.5	100	100	8	B7	P
PP37	005 231 600	G ₁	35	9.5	200	100	45	8.5	100	75	8	B7	P
PP60	026 540 310		6	15	250	250	85	6.3	100	150	6.3	A08	P
PP215	642 350 000		2	4.5	90	90	8		80	75		B5	P
PP215S	032 004 560		2	4.5	90	90	8		80	75		8SC	P
PP220	642 300 000		2	12	150		12.5	3	100		3	B4	T
PP222	642 350 000		2	6	150	150	9		100	100		B5	P
PP222	642 300 000	S	2	6	150	150	9		100	100		B4	P
PP225	642 350 000		2	12	150	150	18	2	100	100	2	B5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
PP225s	023 004 560		2	12	150	125	18	2	100	100	2	8SC	P
PP415	642 350 000		4	12	200	200	12	1.8	100	150	1.8	B5	P
PP416	642 350 000		4	12	200	75	10	2	100	60	2	B5	P
PP430	642 350 000		4	25	200	200	20	2	100	100	2	B5	P
PP2018	642 310 000	S	20	18	200	200	20	2.5	100	100	2.5	B5	P
PP2018	045 231 600		20	18	200	200	20	2.5	100	100	2.5	B7	P
PP2101	364 520 000		2	3	150	150	7	2.1	100	125	2.1	UX5	P
PP3521	040 231 600		35	25	200		70	6.3	100		6	B7	T
PP4100	642 350 000		4	40	400	300	30	3	100	PenLF	3	B5	P
PP4101	642 350 000		4	14	250	250	36	3.5	100	PenLF	3.5	B5	P
PP4118	160 452 300		40	10	175	175	35	6.5	100	100	6	C7	P
PTAD	968 231 500	G ₁	4	6	250	250	32	7	100	PenLF	7	B7	DDP
PTA	045 231 600		13	10	250	250	32	4	100	PenLF	4	B7	P
PTS	005 231 600	G ₁	26	5.5	250	200	40	6	100	PenLF	6	B7	P
PTSA	869 231 500	G ₁	26	5.5	200	200	40		100	PenLF		B7	DDP
PTSD	968 231 500	G ₁	26	5	250	200	40	6	100	PenLF	6	B7	DDP
PTZ	005 231 600	G ₁	40	5.5	250	200	40	7.5	100	PenLF	7	B7	P
PT2	642 350 000		2	4.5	125	125	5.3	2.6	100	100	2.6	B5	P
PT2A	642 350 000		2	10.5	150	150	18		100	100		B5	P
PT4	045 231 600		4	6	250	250	32.5	7.5	100	PenLF	7	B7	P
PT4	642 350 000		4		250	250		2.85	100	PenLF	2.85	B5	P
PT4/D	968 231 500	G ₁	4	6	250	250	32.5	7.5	100	PenLF	7	B7	DDP
PT10	045 231 600		4	7.5	250	250	40	9	100	PenLF	8	B7	P
PT12	204 531 102	A	10	15	250	250	62	6	100	PenLF	6	B9	P
PT15	542 310 000	A	6		300	300	30	2.8	No Data Available			B5	P
PT16	642 350 000		4	15	300	300	55	4.8	100	PenLF	4.8	B5	P
PT25	642 350 000		4	22	400	200	62	4	100	100	4	B5	P
PT25H	642 350 000		4	22	400	300	62.5	6.5	100	PenLF	5	B5	P
PT41	642 350 000		4	12.5	250	200	30	3	100	100	3	B5	P
PT41B	642 350 000		4	40	400	300	30	2.25	100	PenLF	2	B5	P
PT225	642 350 000		2	6	150	150	8		100	100		B5	P
PT225	642 300 000	S	2	6	150	150	8		100	100		B4	P
PT240	642 350 000		2	10.5	200	150	16		100	100		B5	P
PT250	642 350 000		2	15	250	250	40		100	PenLF		B5	P
PT425	642 350 000		4		150	150	15	2	100	100	2	B5	P
PVB6	892 310 000		6				60		REC		20mA	B5	RR
PV06-20	400 235 100	A	6	40	200	300	40	4	100	100	4	B7	P
PV06-25	401 235 100	A	6	40	200	300	40	4	100	100	4	B7	P
PV1-35	401 235 100	A	12	25	250	200	40	2	100	100	2	B7	P
PV4	892 300 000		4				60		REC		20 mA	B4	RR
PV25	091 231 800		25				60		REC		20mA	B7	RR
PV29	091 231 800		30				60		REC		20mA	B7	RR
PV29s	123 180 090		30				60		REC		20mA	8SC	RR
PV30	091 231 800		30				30		REC		15mA	B7	RR
PV30s	123 180 090		30				30		REC		15mA	8SC	RR

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
PV75/1000	892 300 000		4				30		REC		17 mA	B4	RR
PV100/2000	892 300 000		4				60		REC		18 mA	B4	RR
PV200/600	892 300 000		4				120		REC		28 mA	B4	RR
PV400	802 300 000		4				30		REC		15 mA	B4	R
PV430	892 300 000		4				15		REC		9 mA	B4	RR
PV475	892 300 000		4				15		REC		11 mA	B4	RR
PV480	802 300 000		4				30		REC		16 mA	B4	R
PV495	892 300 000		4				30		REC		17 mA	B4	RR
PV3018	190 812 300		30				60		REC		20mA	C7	RR
PV4100	892 300 000		4				30		REC		15 mA	B4	RR
PV4200	892 300 000		4				60		REC		27 mA	B4	RR
PV4201	892 300 000		4				60		REC		27 mA	B4	RR
PV4300	892 300 000		4				60		REC		20 mA	B4	RR
PX2	642 300 000		2	22	150		22	1.5	100		1.5	B4	T
PX4	642 300 000		4	43	300		43	6	100		6	B4	T
PX5	642 300 000		4	34	400		62.5	6.5	100		6.5	B4	T
PX25	642 300 000		4	31	400		50	7.5	100		7	B4	T
PX25A	642 300 000		4	100	400		62.5	6.9	100		6.9	B4	T
PX41	642 300 000		4	40	250		49	6	100		6	B4	T
PX230	642 300 000		2	15	150		17.5	3.5	100		3.5	B4	T
PX230SW	602 300 000	G ₁	2	15	150		18	3.5	100		3.5	B4	T
PX240	642 300 000		2	32	200		25	3	100		3	B4	T
PX2100	642 300 000		7.5	30	400		18	1.6	100		1.6	Sm4	T
PY31	020 080 310		17				120		REC		30mA	A08	R
PY80	**I 23* **8		19				120		REC		35mA	B9A	R
PY81	*** 23* **8	C	17				120		REC		35mA	B9A	R
PY82	**I 23 **8		19				120		REC		36mA	B9A	R
PZ	264 530 000		2.5	16.5	250	250	31	2.5	100	PenLF	2.5	UX5	P
PZH	265 413 000		2.5	16.5	250	250	34	2.2	100	PenLF	2.2	UX6	P
PZ03-3	401 235 000	A	4	25	300	125	25	1.4	100	100	1.4	B7	P
PZ05-15	401 235 000	A	4		400	150	40	1.25	100	100	1.2	B7	P
PZ30	029 183 210		26				120		REC		30mA	A08	RR
P2	642 300 000		2	10	150		19	3.5	100		3.5	B4	T
P4	642 300 000		4	21	250		30	2.8	100		2.8	B4	T
PI2/250	642 300 000		4	44	250		60	6	100		6	B4	T
PI5/250	642 300 000		4	44	250		60	6	100		6	B4	T
PI5/250(S)	023 004 060		4	44	250		60	6	100		6	8SC	T
P24/450	642 300 000		7.5	70	400		55	2.1	100		2.1	B4	T
P25/400	642 300 000		6	100	350		70	3.7	100		3.7	B4	T
P25/500	642 300 000		6	90	400		65	3	100		3	B4	T
P26/500	642 300 000		4	100	400		62.5	4.2	100		4.2	B4	T
P27/500	642 300 000		4	27	400		62.5	8.5	100		8	B4	T
P30/500	642 300 000		4	100	400		60	4	100		4	B4	T
P41	216 040 030		4	11.8	250		16	4.5	100		4.5	M08	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
P61	216 040 030		6	11.8	250		16	4.5	100		4.5	M08	T
P215	642 300 000		2	12	150		8	2.2	100		2.2	B4	T
P220	642 300 000		2	7.5	150		6	3.0	100		3	B4	T
P220A	642 300 000		2	14	150		15	2.7	100		2.7	B4	T
P222	642 300 000		2	7.5	150		6	3	100		3	B4	T
P240	642 300 000		2	1	100			3.7	100		3.7	B4	T
P240A	642 300 000		2	21	150		25	5	100		5	B4	T
P410	642 300 000		4	12	150		8	1.5	100		1.5	B4	T
P414	642 300 000		4	16	100		14	2.8	80		2.8	B4	T
P415	642 300 000		4	25	150		14	1.5	100		1.5	B4	T
P420	642 300 000		4	85	400		50	6	100		6	B4	T
P430	264 300 000		4	30	200		25	2.2	100		2.2	UX4	T
P455	264 300 000		4	15	250		30	5.5	100		5.5	UX4	T
P460	642 300 000		4	40	200		50	3.5	100		3.5	B4	T
P469	045 231 600		4	14	250	275	72	8.5	100	PenLF	7	B7	P
P495	045 231 600		4	6	200	200	32		100	100		B7	P
P496	045 231 600		4	6	200	200	32	9.5	100	100	8	B7	P
P625B	642 300 000		6	1	200			2.8	200		2.8	B4	T
P650	642 300 000		6	1	200			3.5	200		3.5	B4	T
P861	289 130 000		6				30		REC		15mA	UX5	RR
P2018	642 310 000		20	15	200		20	4	100		4	B5	T
P2060	023 104 560		24	19	200	100	40	3.15	100	90	3	8SC	P
P2460	642 310 000	S	24	19	200	100	40		100	90		B5	P
P3580	045 231 600		33	8.5	200	200	45	8	100	150	7	B7	P
P4100	642 300 000		4	40	400		30		100			B4	T
QPT2	446 235 700		2	9	150	150	3.3		100	100		B7	PP
QP21	446 235 700		2	9.8	150	150	3.5	2.3	100	100	2.3	B7	PP
QP22A	465 230 574		2	12	150	150	3	4	150	150	4	B9	PP
QP22B	446 235 700		2	11.7	150	150	3.8		100	100		B7	PP
QP25	207 544 630		2	6	125	125	10	3	100	100	3	M08	PP
QP230	446 235 700		2	9.6	125	125	4.65	3	100	100	3	B7	PP
QP240	465 230 574		2	11.5	150	150	4	4	100	100	4	B9	PP
QQV04-20	241 531 420	A ₁ A ₂	6	22	400	200	25	4	100	100	4	A08	PP
QQZ04-15	273 624 540		3	10	300	200	20	2	100	100	2	B8B	FF
QV04-7	265 511 413		6	30	300	250	25	1.9	100	100	1.9	B9G	P
QV04-20	241 531 420	A ₁ A ₂	6	22	400	200	25	4	100	100	4	A08	PP
QV05-25	254 130 000	A	6	12.5	300	250	83	6.5	100	150	6	UX5	P
RA	892 310 000		13				30		REC			B5	RR
RA1	364 200 000		15	4.5	90		4.5	1.185	80		1.1	UX4	T
RB350/80	892 300 000		4				30		REC		15mA	B4	RR
RB500/120	892 300 000		4				60		REC		20mA	B4	RR
RB650/250	892 300 000		4				120		REC		30mA	B4	RR
RFP8/14	041 231 500	A ₁	4	20	400	250	35	4	100	PenLF	4	B7	P
RFP8/14	542 310 000	A ₁	4	20	400	250	35	4	100	PenLF	4	B5	P
RGN 1074	892 300 000		4				60		REC		20mA	B4	RR

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
RG250/1000	002 300 000	D ₁	4				120		REC		30mA	B4	R
RG250/3000	280 300 000		2.5				120		REC		30mA	UX4	R
RK10	264 300 000		7.5	100	350		50		100			UX4	T
RK15	264 300 000		2.5	33	250		22	2.35	100		2.3	UX4	T
RK16	264 130 000		2.5	28	250		26	2.6	100		2.6	UX5	T
RK19	200 300 000	D ₁ D ₂	7.5				120		REC		30mA	UX4	RR
RK21	200 300 000	D ₁	2.5				120		REC		30mA	UX4	R
RK24	364 200 000	D ₁ D ₂	2	13.5	175		8	1.6	100		1.6	UX4	T
RK60	200 300 000		5				120		REC		30mA	UX4	RR
RL16	241 600 003		6	2.5	250		10	6.5	100		5	B9G	T
RL37	244 664 413	A	6	1.5	250		10	9	100		7	B9G	T
RS	802 310 000		3				60		REC		20mA	B5	R
RRAF	642 300 000		4	2	125		4	1.45	100		1.4	B4	T
RRBF	642 300 000		4	2.5	125		10	1.25	100		1.2	B4	T
RSAF	542 300 000		4	1	150	75	4.5	1.25	150	75	1.25	B4	P
RT1-2	642 300 000		4	2.6	125		26	2.5	100		2.5	B4	T
RT2	642 300 000		4	4	200		18	1.75	150		1.75	B4	T
RT3	642 300 000		4	2.3	300		15	2.85	100		2.8	B4	T
RV120/250	892 300 000		4				60		Rec		20mA	B4	RR
RV120/350	892 300 000		4				60		REC		20mA	B4	RR
RV120/350S	023 080 090	D ₁	4				60		REC		20mA	8SC	RR
RV120/500	892 300 000		4				60		REC		20mA	B4	RR
RV120/500S	023 080 090		4				60		REC		20mA	8SC	RR
RV200/600	892 300 000		4				120		REC		30mA	B4	RR
RX21	200 030 000		2.5				120		REC		30mA	UX5	R
RX215	389 200 000		2.5				5		D			UX4	RR
RZ	023 100 080		20				60		REC		20mA	8SC	R
RI	892 300 000		4				30		REC		15mA	B4	RR
R2	892 300 000		4				60		REC		20mA	B4	RR
R3	892 300 000		4				60		REC		20mA	B4	RR
R4	892 300 000	D ₁	4				60		REC		20mA	B4	RR
R4a	892 300 000		4				60		REC		20mA	B4	RR
R4B	802 300 000		4				60		Rec		21 mA	B4	R
RI0	112 311 100		4				5		D			B7G	R
RI1	002 300 000		4				60		REC		20mA	B4	R
RI2	023 000 000	D ₁	6						D			B3G	D
RI4	028 193 210		26				120		Rec		20 mA	A08	RR
RI6	123 000 000		1.4						D			B3G	D
R41	892 300 000		4				60		Rec		20 mA	B4	RR
R42	892 300 000		4				60		REC		20mA	B4	RR
R52	030 809 020	G ₁	4				60		REC		20mA	A08	RR
R80	264 300 000		4	24	250		20	4	100		4	UX4	T
R236	026 510 300		1.4	2	100	100	1	0.55	100	100	0.5	A08	P
R2018	642 310 000		20	2.5	200		2.5	3	100		3	B5	T
SD	892 310 000		5						D			B5	DD

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
SD6	*82 310 *00		6				5		D			B7G	R
SE211	542 300 000	A	2	1	150	75	1	1.5	150	75	1.5	B4	P
SE211C	542 300 000	A	2		150	75	1	1.5	150	75	1.5	B4	P
SE2018	542 310 000	A	20	3	200	60	4	1.2	100	60	1.2	B5	P
SE2118	542 310 000	A	20	24	200	100	3	3	100	60	3	B5	P
SGA1	542 310 000	A	4		200	100	6	3	100	100	3	B5	P
SG2	542 300 000	A	2		150	75	2.5	1	100	75	1	B4	P
SG215	542 300 000	A	2	1.5	150	75	2.7	1	100	75	1	B4	P
SG220	542 300 000	A	2	1.5	150	75	2.4	1.5	100	75	1.5	B4	P
SG220SW	652 300 000	G ₁	2	1.5	150	75	2.4	1.5	150	75	1.5	B4	P
SPTS	041 231 500	A	13	1.5	250	100	2	3	100	100	3	B7	P
SPT2	041 230 500	A	2	1	125	125	2.8	1.5	125	125	1.5	B7	P
SPT4A	041 231 500	A	4	1.5	250	100	2	2.3	200	100	2.3	B7	P
SP2	041 230 500	A	2	1	150	150	3	1.8	150	150	1.8	B7	P
SP2B	061 230 500	G ₁	2	1	150	150	2.6	0.8	150	150	0.8	B7	P
SP2B(S)	032 004 560		2	1	150	150	2.6	0.8	150	150	0.8	8SC	P
SP2D	061 230 500	G ₁	2	1	150	150	1.4	1.7	150	150	1.7	B7	P
SP2D	542 300 000	A	2	1	125	125	1.45	1.7	125	100	1.7	B4	P
SP2V	041 230 500	A	2	0	150	75	2.9	1.1	100	75	1	B7	P
(TUNG) SP4	061 231 500	G ₁	4	2	200	100	3	2.3	100	100	2.3	B7	P
SP4	542 310 000	A	4	2	200	100	3	2.3	100	100	2.3	B5	P
SP4A	041 231 500	A	4	2	250	100	3	2.4	100	100	2.4	B7	P
(MUL)SP4	041 231 500	A	4	2	200	100	3	2.3	100	100	2	B7	P
SP4B	061 231 500	G ₁	4	2.4	250	250	4	3.4	100	PenLF	3.4	B7	P
SP4S	023 110 560	G ₁	4	2	250	100	3	3.5	100	100	3.5	8SC	P
SP6	412 361 500		6	2	250	250	10	7.5	100	PenLF	7	B7G	P
3P6S	023 110 560	G ₁	6	2	250	100	3	2	100	100	2	8SC	P
SP13	061 231 500	A	13	2	200	100	3.3	2.2	100	100	2.2	B7	P
SP13	023 110 560	G ₁	13	2	200	100	3.3	2.2	100	100	2.2	8SC	P
SP13B	061 231 500	G ₁	13	1.5	200	200	2	4	100	150	4	B7	P
SP13C	061 231 500	G ₁	13	2.2	200	200	2.5	2.8	100	150	2.8	B7	P
SP13S	023 110 560	G ₁	13	2	150	100	3	2.4	100	100	2.4	8SC	P
SP20	542 310 000	A	20		200	100	4.5	3.5	100	100	3.5	B5	P
SP22	206 510 030	G ₁	2	1	125	125	1.1	1.2	125	100	1.2	M08	P
SP35	023 110 560	G ₁	35	8	200	200	41	7	100	PenLF	7	8SC	P
SP41	216 510 030	G ₁	4	1.5	200	200	10.9	8.5	100	150	8	M08	P
SP42	216 510 030	G ₁	4	1.3	200	125	20	8.4	100	100	8	M08	P
SP61	216 510 030	G ₁	6	1.5	200	200	10.9	8.5	100	150	8	M08	P
SP62	216 510 030	G ₁	6	1.25	200	100	16	9	200	100	8	M08	P
SP65	023 110 560	G ₁	6	2	250	100	3	2.1	100	100	2.1	8SC	P
SP141	206 500 030	G ₁	1.4	1	90	90	1.3	0.75	80	90	0.75	M08	P
SP181	216 510 030	G ₁	18	1.5	200	200	10.9	8.5	100	PenLF	8	M08	P
SP210	041 230 500	A	2	1	125	125	1.1	1.2	125	125	1.2	B7	P
SP215	041 230 500	A	2	1.5	150	80	2.1	1.6	100	75	1.6	B7	P
SP220	642 300 000		2	12	150		14	3	100		3	B4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
SPI320	041 231 500	A	13	1.5	250	100	4.4	2.0	100	100	2	B7	P
SP2220	041 231 500	A	22	3	250	200	4.9	2.65	100	150	2.6	B7	P
SR2	642 300 000		2	16	200		10	3	100		3	B4	T
SR4	642 310 000		4	20	250		20	4	100		4	B5	T
SS210C	542 300 000	A	2	1	150	75		1.4	150	75	1.4	B5	T
SS210DDT	682 390 000	G ₁	2	5.5	150		2.4	1.4	100		1.4	B5	DDT
SS210D	642 300 000		2	4.5	150		2	1.6	100		1.6	B4	T
SS210HF	642 300 000		2	4	150		1	0.75	100		0.75	B4	T
SS210HL	642 300 000		2	1.5	150		2	1.4	125		1.4	B4	T
SS210	542 300 000	A	2	1	150	75	0.6	1.4	150	75	1.4	B4	P
SS220PA	642 300 000		2	6	150		8	3.5	100		3.5	B4	T
SS220P	642 300 000		2	12	150		6	1.5	100		1.5	B4	T
SS220SP	642 300 000		2	12	150		14	3.5	100		3.5	B4	T
SS240SP	642 300 000		2	12	150		15	3.5	100		3.5	B4	T
SS2018	542 310 000	A	20	3	200	100	3	3	100	90	3	B5	P
SU25	*2* 0** 3*0	D ₁	2						D			A08	D
SU45	112 311 100	D ₁	4				30		REC		15mA	B7G	R
SU61	023 000 000	D ₁	6						D			B3G	D
SU2130	002 300 000	D ₁	2				2		D			B4	R
SU2150	002 300 000	D ₁	2				2		D			B4	R
SU2150A	002 300 000	D ₁	2				5		D			B4	R
SWG2	652 300 000	G ₁	2		150	75		1.5	100	75	1.5	B4	P
SW1	802 300 000		4				30		REC		15mA	B4	R
S01	264 300 000		15	40.5	175		21	1.5	100		1.5	UX4	T
S02	264 300 000		7.4	88	400		55	2.1	100		2.1	UX4	T
S2	542 300 000	A	2	1	125	60	2.25	1.1	125	60	1.1	B4	P
S4V	542 310 000	A	4	1	200	75	1.5	1.15	100	75	1.1	B5	P
S4VA	542 310 000	A	4	1.5	200	100	2.75	2	100	100	2	B5	P
S4VB	542 310 000	A	4	1.5	200	125	4.6	2.5	100	100	2.5	B5	P
SI1A	892 300 000		4				30		REC		15 mA	B4	RR
SI1D	892 300 000		4				60		REC		20 mA	B4	RR
SI2	542 300 000	A	2	1	100	30	2.5	0.7	No Data	Available		Sm4	P
S21	542 300 000	A	2	0	125	75	3.6	1.1	100	75	1.1	B4	P
S22	542 300 000	A	2	0	125	75	4	1.75	125	75	1.75	B4	P
S23	542 300 000	A	2	1	150	75	2.8	1.1	150	75	1.1	B4	P
S24	542 300 000	A	2	1	150	75	3.2	1.4	150	75	1.4	B4	P
S30C	642 300 000		4	38	300		50	5	100		5	B4	T
S30D	642 300 000		2	38	300		50	5	100		5	B4	T
S207	542 300 000	A	2	1.5	200	100	3	0.7	100	100	0.7	B4	P
S208	542 300 000	A	2	0	200	100	2	0.8	100	100	0.8	B4	P
S213	542 300 000	A	2	0.5	150	90	3	1.3	100	90	1.3	B4	P
S215	542 300 000	A	2	1.5	150	90	2.75	1.5	100	90	1.5	B4	P
S215A	542 300 000	A	2	1	150	60	2	1.1	150	60	1.1	B4	P
S215B	542 300 000	A	2	1	150	60	1.5	1.2	150	60	1.2	B4	P
S215VM	542 300 000	A	2	1.4	150	60	1.0	0.8	100	60	0.8	B4	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
S217	542 300 000	A	2	0.5	150	150	2.3	1.7	100	150	1.7	B4	P
S218	041 230 500	A	2	0.5	150	150	3	1.85	100	150	1.8	B7	P
S220	542 300 000	A	2		150	75	4	1.1	150	75	1.1	B4	P
S310A	265 113 000	G ₁	10	3	125	150	5.5	1.9	100	100	1.9	UX6	P
S311A	265 130 000	G ₁	10	15	125	150	30	2.8	100	100	2.8	UX5	P
S328A	265 113 000	G ₁	7.5	3	125	150	5.5	1.9	100	100	1.9	UX6	P
S329A	265 130 000	G ₁	7.5	15	125	150	30	2.8	100	100	2.8	UX5	P
S406/7	542 300 000	A	4	2	200	100	1.5	1	100	100	1	B4	P
S420	061 231 500	G ₁	4	3	250	250	11.5		100	200		B7	P
S430N	542 300 000	A	4		200	100	4	3	100	100	3	B5	P
S440	061 231 500	G ₁	4	2.35	250	250	4.1	3.45	100	200	3.4	B7	P
S493	542 310 000	A	4	2	200	100	4		100	100		B5	P
S495	542 310 000	A	4	2	200	100	6	2.5	100	100	2.5	B5	P
SI323	061 231 500	G ₁	13	3	200	100	8	1.85	100	100	1.85	B7	P
SI323	023 110 560	G ₁	13	3	200	100	8	1.85	100	100	1.85	8SC	P
SI324	061 231 500	G ₁	13	2	200	100	3	2.37	100	100	2.3	B7	P
SI328	023 110 560	G ₁	13	2	200	100	3	2.37	100	100	2.3	8SC	P
S2018	041 231 500	A	20	3	200	60	4	1.2	100	60	1.2	B7	P
S2018	542 310 000	A	20	3	200	60	4	1.2	100	60	1.2	B5	P
S4045A	642 350 000		5	70	250	75	45	1.45	100	60	1.45	B5	P
TBC14	809 231 600	G ₁	4	7	250		4	2	100		2	B7	DDT
TBC113	809 231 600	G ₁	13	5	200		4	3.6	100		3.6	B7	DDT
TB13	802 310 000		13						D			B5	D
TB032	642 300 000		2	30	150		12	1.5	100		1.5	B4	T
TB052	642 300 000		2	15	150		7	1.2	100		1.2	B4	T
TB062	642 300 000		2	10.5	150		13	2	100		2	B4	T
TB102	642 300 000		2	4	150		5	1.25	100		1.2	B4	T
TB122	642 300 000		2	4.5	150		6	3.5	100		3.5	B4	T
TB172	642 300 000		2	4.5	150		4	1.4	100		1.4	B4	T
TB282	642 300 000		2	1.5	150		2	1.3	125		1.3	B4	T
TB402	446 230 700		2	0	150		6		150			B7	TT
TB452	542 300 000	A	2	0	150	75	2	1.5	150	75	1.5	B4	P
TB552	542 300 000	A	2	0	150	75	4	1.5	150	75	1.5	B4	P
TB622	542 300 000	A	2		150	90	2	1.4	100	90	1.4	B4	P
TB9920	642 310 000		20	1.5	200		0.2	4	150		4	B5	T
TC432	642 300 000	S	2	4.5	150	150	9.5		100	100		B4	P
TC432	642 350 000		2	4.5	150	150	9.5		100	100		B5	P
TDD2	682 390 000	G ₁	2	5.5	150		2.5	1.4	100		1.4	B5	DDT
TDD2A	682 390 000	G ₁	2	1.5	150		1.95	1.2	125		1.2	B5	DDT
TDD4	908 231 600	G ₁	4	7	250		4	2	100		2	B7	DDT
TDD13C	809 231 600	G ₁	13	5	200		4	2	100		2	B7	DDT
TDD25	809 231 600	G ₁	25	1	100		4	2	100		2	B7	DDT
TD044	642 300 000		4	40	250		40	3	100		3	B4	T
TE094	642 310 000		4	16	200		12	1.3	100		1.3	B5	T
TE104	642 300 000		4	36	400		61	4	100		4	B4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
TE244	642 310 000		4	3.5	200		6	2.4	150		2.4	B5	T
TE384	642 310 000		4	2	200		3	1.5	150		1.5	B5	T
TE424	542 310 000	A	4		200	100	3	2	100	100	2	B5	P
TE434	642 350 000		4	1.4	250	250	36		100	PenLF		B5	P
TE464	041 231 500	A	4		200	100	3	2.5	100	100	2.5	B7	P
TE474	041 231 500	A	4	1.5	200	100	4.5	2	100	100	2	B7	P
TE534	642 310 000	S	4	15	250	250	24		100	PenLF		B5	P
TE564	041 231 500	A	4	1.5	200	100	4.5	3.2	100	100	3.2	B7	P
TE634	045 231 600		4	22	250	250	36		100	100		B7	P
TE994	642 310 000		4	1.6	250		4	4	200		4	B5	T
TF64	061 231 500	G ₁	4	2.75	250	250	11	2	200	150	2	B7	P
TF104	642 300 000		4	36	400		61	4	100		4	B4	T
TH2	645 230 700	G ₁	2	{ 1.5 1.5	150 250	75	0.95 4	1.2	150 150		1.2	B7	TH
TH4	645 231 700	G ₁	4	{ 2 2	150 200	100	6 3.5	1.2	150 200	75	1.2	B7	TH
TH4A	645 231 700	G ₁	4	{ 2 2	125 250	100	5 3.5	6	125 100		6	B7	TH
TH4B	645 231 700	G ₁	4	{ 3 2.5	100 250	100	9 3.25	3.8	100 100	100	5.5	B7	TH
TH13C	645 231 700	G ₁	13	{ 2 1.5	150 250	75	6 4.0	1.2 1.8	150 100	75	1.2	B7	TH
TH21C	645 231 700	G ₁	21	{ 2 1.5	125 250	75	6 4	1.2 1.8	125 100	75	1.2	B7	TH
TH22C	645 231 700	G ₁	29	{ 2 2	125 250	100	5 3.5	6	125 100	100	6	B7	TH
TH29	645 231 700	G ₁	29	{ 2 2	125 250	100			125 100			B7	TH
TH30C	645 231 700	G ₁	29	{ 2.5 3	100 250	100	9.5 3.25	5.5	100 100	100	5.5	B7	TH
TH31	217 640 530	G ₁	4	{ 3 3	100 250	100	10.2 3	4 3	100 100	90	5.3 3	M08	TH
TH41	217 640 530	G ₁	4	{ 3 3	100 250	100	10.2 3	4 3.1	100 100	100	5.3 3.1	M08	TH
TH62	027 546 310	G ₁	6	{ 2 2	100 250	100	4.4 3	2.4	100 200	100	2.2 1.2	A08	TH
TH233	217 640 530	G ₁	23	{ 0 2	100 150	100	4 2.6	5.3 3	100 100	90	5.3 3	M08	TH
TH2320	645 231 700	G ₁	23	{ 3 3	90 150	100	4.5 3		90 100	90		B7	TH
TH2321	645 231 700	G ₁	23	{ 3 3	90 150	100	4.5 3		90 100	90		B7	TH
TL54	045 231 600		4	12.5	250	250	70		100	PenLF		B7	P
TP22	571 230 640	G ₁	2	{ 1 1	100 125	0 60	0.8 1.2	1.2	100 150	60	1.4 1.3	B9	TP
TP23	645 230 700	G ₁	2	{ 1 1.5	100 125	0 60	1 1	2.1 1	100 125	60	2.1 1.2	B7	TP

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
TP25	207 640 530	G ₁	2	{ 1 1.5	100 125	0 60	3.7 1	1.6 1.0	100 125		1.7 1	M08	TP
TP26	207 640 530	G ₁	2	{ 1 1	125 125	0 75	2.2 1.5	1.3 1.5	125 125	60 75	1.3 1.5	M08	TP
TP230	561 230 740	G ₁	2	{ 0 22	100 150	0 75	2 4.3	1.3 1.3	100 150		1.3	B9	TP
TP443	642 350 000		4	22	250	250	36	5	100	PenLF	5	B5	P
TP1340	571 231 640	G ₁	13	{ 5	200 200	0 200	2 6.5	1.4	150 100		1.4	B9	TP
TP2620	571 231 640	G ₁	26	{ 2.5 4	150 250	0 200	1.5 6.5	1.4 3.4	150 100		1.4 3.4	B9	TP
TSP4	061 231 500	G ₁	4	2.5	200	200	8	4.7	100	125	4.7	B7	P
TT4	642 310 000		4	16	250		20	3.2	100		3.2	B5	T
TT4A	642 310 000		4	9	250		20	4.1	100		4.1	B5	T
TT11	020 450 310	A	6	11	250	150	30	3.5	100	100	3.5	A08	P
TT12	204 531 102	A	10	13	250	250	72	6	100	100	6	B9G	P
TT14	204 051 103	A	6	13	250	250	72	6	100	100	6	B9G	P
TT15	241 657 143		6	14	250	150	30	3.9	100	100	3.9	B9G	PP
TT19	241 657 143		19	16.5	250	150	30	3.9	100	100	3.9	B9G	PP
TV03-10	442 310 000	A ₁ A ₂	6	17	300		17	3.2	100		3	B5	TT
TW1	802 310 000		20				60		REC		20mA	B5	R
TW2	892 310 000		30				60		REC		20mA	B5	RR
TX4	645 231 700	G ₁	4	{ 1.5	150 300		4 90		150 200			B7	TH
TX21	645 231 700	G ₁	21	{ 1.5	150 250		4 90		150 100			B7	TH
TX41	645 231 700	G ₁	4	{ 3 2.5	100 250		9 100	3.8	100 250	90 100	5	B7	TH
T4D	123 000 000	D ₁	4						D			B3G	D
T13U	023 100 060	G ₁	13	4	200		5.9	2.6	100		2.6	8SC	T
T41	216 040 030		4		100		50	2KΩ	No Data Available			M08	Thyratron
T136	642 300 000		4	8	200		6	1.6	100		1.6	B4	T
UAF41	268 154 130		13	2	200	90	5	2	100	100	1.9	B8A	DP
UAF42	268 154 130		13	2	200	90	5	2	100	100	1.9	B8A	DP
UBC1	206 081 930	G ₁	13	1.7	200		3	2	150		2	A08	DDT
UBC41	264 098 130		14	1.6	175		1.5	1.65	150		1.65	B8A	DDT
UBF2	206 581 930	G ₁	12.5	2	250	100	5	1.8	100	150	1.8	A08	DDP
UBF11	892 361 450		20	2	200	75	5	1.8	200	75	1.8	F8	DDP
UBF15	892 361 450		27	2	250	100	12	5	200	100	5	F8	DDP
UBF80	541 236 891		17	2	200	125	5	2.2	100	100	2.0	B9A	DDP
UBL1	206 581 930	G ₁	55	11.5	200	200	55	8.5	100	100	8	A08	DDP
UBL3	023 189 560		55	6	100	100	29	7.5	100	90	7	8SC	DDP
UBL21	264 598 130	G ₁	55	13	200	200	55	8	100	100	7	B8B	DDP
UB41	201 908 130		19				5		D			B8A	RR
UCF12	642 371 450		20	{ 1 2	100 200	0 100		3 2	100 200		3 2	F8	TP

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
UCH4	217 544 630	G ₁	20	2	100		6	3	80		3.2		
				2	200	100	5.2	2.2	100	100	2.2	A08	TH
UCH21	276 454 131		20	2	100		6.4	2.2	100		3.2	B8B	TH
				2	200	90	5.2	2.2	100	90	2.2		
UCH41	276 454 130		14	2	100		6.4	2.2	100		2.8	B8A	TH
		G ₁		2	200	90	2.7	1.5	100	75	1.5		
UCH42	276 454 130		14	2	100		6.4	2.2	100		2.8		
				2	200	90	2.7	1.5	100	75	1.5	B8A	TH
UCL11	452 371 460		60	2	200	0	2	2.1	150		2	F8	TP
				8.5	200	200	45	9	100	100	7		
UDH	802 310 000	G ₁	20				60		REC		20mA	B5	R
UDT1	023 186 090		15	3	200		10.3	3	150		3	8SC	DDT
UE2	123 180 090		50				60		REC		20mA	8SC	RR
UF5	023 110 560	G ₁	12.5	2.5	100	100	3.2	2.2	100	100	2.2	8SC	P
UF6	023 110 560	G ₁	12.5	2	100	100	3	1.8	100	100	1.8	8SC	P
UF9	206 501 130	G ₁	12.5	2.5	200	100	6	2.2	100	100	2.2	A08	P
UF10	023 110 560	G ₁	12.5	2.4	200	100	5.5	2.35	100	100	2.3	8SC	P
UF11	602 301 450		15	2	200	75	6	2.2	100	100	2	F8	P
UF21	265 104 130		22.5	2.5	200	100	6	2.2	100	100	2.2	B8B	P
UF41	260 154 130		12	3	200	125	7.2	2.3	100	150	2.3	B8A	P
UF42	260 154 130		12	2	175	175	10	8.5	100	150	8	B8A	P
UH4	893 200 000		4				5		D			B5	RR
ULP	642 310 000		13	20	250		27	4	100		4	B5	T
UL1	206 540 130		60	11.5	200	200	55	8.5	100	PenLF	8	A08	P
UL2	023 104 560		35	5	200	200	20	7	100	PenLF	6	8SC	P
UL12	602 301 450		60	8	200	125	75	12	No Data Available			F8	P
UL21	265 004 130		45	13	200	200	55	8	100	PenLF	7	B8B	P
UL22	265 004 130		46	10	175	175	61	9	100		8	B8B	P
UL41	261 054 130		45	9	175	175	54.5	9.5	100	100	7	B8A	P
UL44	2** 154 130	A	45	13.5	175	175	28.5	7	100	100	6.5	B8A	P
UL46	261 054 130		45	9	175	175	54.5	9.5	100	100	7	B8A	P
UPX	642 310 000		25	34	250		38	7	100		7	B5	T
UP2	023 140 560		25	19	200	100	40	3	100	75	3	8SC	P
UR1C	802 310 000		20				60		REC		20mA	B5	R
UR3C	091 231 800		30				60		REC		20mA	B7	RR
UT2	023 100 060	G ₁	15	5	200		6	3	100		3	8SC	T
UU2	892 300 000		4				30		REC		15mA	B4	RR
UU3	892 300 000		4				30		REC		15mA	B4	RR
UU4	892 300 000		4				60		REC		20mA	B4	RR
UU5	892 300 000		4				60		REC		20mA	B4	RR
UU6	208 090 030		4				60		REC		20mA	M08	RR
UU7	208 090 030		4				60		REC		20mA	M08	RR
UU8	208 090 030		4				120		REC		30mA	M08	RR
UU9	29* **8 130		6				30		REC		15mA	B8A	RR
UU10	892 300 000		4				60		REC		20mA	B4	RR

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia Am	mA/V	Anode Volts	Screen Volts	mA/V		
UU30/250	892 300 000		4				15		REC		10mA	B4	RR
UU60/250	892 300 000		4				30		REC		15mA	B4	RR
UUI20/350	892 300 000		4				60		REC		20mA	B4	RR
UUI20/500	892 300 000		4				60		REC		20mA	B4	RR
UYI	388 028 120		50				120		REC		30mA	A08	R
UYI(N)	388 028 120		50				120		REC		30mA	A08	R
UYII	802 300 100		50				120		REC		35mA	F8	R
UY2I	280 80* 130		50				120		REC		30mA	B8B	R
UY3I	020 080 310		50				120		REC		30mA	A08	R
UY4I	28* *** 130		31				60		REC		20mA	B8A	R
UY42	280 *0* 130		31				60		REC		20mA	B8A	R
U4C	642 300 000		4	12	200		35	3-2	100		3-2	B4	T
U5	892 300 000		5				15		REC		12mA	B4	RR
U8	892 300 000		7-5				60		REC		20mA	B4	RR
U9	892 300 000		4				30		REC		15mA	B4	RR
UI0	892 300 000		4				30		REC		15mA	B4	RR
UI2	892 300 000		4				60		REC		20mA	B4	RR
UI2/I4	892 300 000		4				60		REC		20mA	B4	RR
UI4	892 300 000		4				60		REC		20mA	B4	RR
UI5	802 300 000		6				120		REC		30mA	B4	R
UI6	002 300 000	D ₁	2				5		REC		5mA	B4	R
UI7	002 300 000	D ₁	4				30		REC		15mA	B4	R
UI8	892 300 000		4				120		REC		30mA	B4	RR
UI8/20	892 300 000		4				120		REC		30mA	B4	RR
UI9	002 300 000	D ₁	4				120		REC		40mA	B4	R
UI9/23	002 300 000	D ₁	4				120		REC		30mA	B4	R
U20	892 300 000		4				60		REC		20mA	B4	RR
U21	002 300 000	D ₁	2				5		REC		5mA	B4	R
U22	200 000 030	D ₁	2						D			M08	D
U22FH	200 000 030	D ₁	2						D			M08	D
U23	002 300 000	D ₁	4				120		REC		30mA	B4	R
U24	020 000 300	D ₁	2				1-0		REC		2mA	A08	R
U25	023 000 000	D ₁	2						D			B3G	D
U26	391 221 800		13				60		REC		20mA	B7	RR
U29	002 300 000	D ₁	2				15		REC		30mA	B5	R
U30	391 221 800		13				60		REC		20mA	B7	RR
U31	020 080 310		26				120		REC		30mA	A08	R
U33	002 300 000	D ₁	2				3		D			B4	R
U35	*20 000 030	D ₁	1-4				2		D			A08	R
U37	023 000 000	D ₁	1-4						D			B3G	D
U50	020 908 030		5				60		REC		20mA	A08	RR
U52	030 908 020		5				120		REC		30mA	A08	RR
U70	028 090 310		6				30		REC		15mA	A08	RR
U71	020 080 310		30				60		REC		20mA	A08	R
U74	020 080 310		30				120		REC		30mA	A08	R

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
U76	020 080 310		30				120		REC		30mA	A08	R
U78	802 309 100		6				30		REC		15mA	B7G	RR
U81	**9 **8 230		6				60		REC		20mA	B8B	RR
U82	209 008 130		6				30		REC		15mA	B8B	RR
U84	009 **8 230		4				30		REC		15mA	B8B	RR
U101	280 008 130		50				120		REC		30mA	B8B	R
U107	281 008 300		40				60		REC		20mA	B7G	R
U134	028 190 310		13				60		REC		20mA	A08	RR
U142	280 000 130		31				60		REC		20mA	B8A	R
U143	020 908 030		4				30		REC		15mA	A08	RR
U145	280 *** 130		40				60		REC		20mA	B8A	R
U147	028 090 310		6				30		Rec		15mA	A08	RR
U149	209 008 130		6				30		REC		15mA	B8B	RR
U150	280 009 130		6				30		Rec		17mA	B8A	RR
U151	023 000 000	D ₁	6						D			B3G	D
U152	**1 23* **8		19				120		REC		35mA	B9A	R
U201	020 080 310		20				60		REC		20mA	A08	R
U281	020 080 310		28				120		Rec		30mA	A08	R
U309	**1 23* **8		20				120		Rec		38mA	B9A	R
U319	**1 23* **8		20				120		Rec		40mA	B9A	R
U329	*** 23* **8		25				120		REC		30mA	B9A	R
U403	201 080 030		40				120		REC		30mA	M08	R
U404	280 *** 130		40				60		REC		20mA	B8A	R
U415	642 300 000		4	10.5	150		5	1.4	100		1.4	B4	T
U418	642 300 000		4	13	150		10	1.6	100		1.6	B4	T
U650	802 300 000		6				30		REC		15mA	B4	R
U801	128 899 310		80				120		REC		30mA	A08	RR
U4020	802 310 000		40				120		REC		30mA	B5	R
VC1	023 100 060	G ₁	55	2	200		6	3	200		3	8SC	T
VDSB	542 310 000	A	16		200	75		3	100	75	3	B5	P
VDS	542 310 000	A	16	2	200	75		1.6	100	75	1.6	B5	P
VHPI3	041 231 500	A	13	1.5	200	100	4	2	100	100	4	B7	P
VHTA	123 164 550	G ₁	13	1.5	250	100	3.2		100	100		8SC	H
VHTA	545 231 600	G ₁	13	1.5	200	100	3.2		100	100		B7	H
VHTS	645 231 500	G ₁	13	3	200	100	2.6		100	100		B7	H
VHT2	645 230 600	G ₁	2		125	75			100	75		B7	H
VHT2A	645 230 600	G ₁	2	0	125	50			100	60		B7	H
VHT4	545 231 600	G ₁	4	3	200	100	3.6		100	100		B7	H
VLS61	002 300 000	D ₁	2				3		D			B4	R
VMP4	041 231 500	A	4	2	250	100	3	3.5	150	100	3.5	B7	P
VMP4	542 310 000	A	4	1	250	100		3.5	200	100	3.5	B5	P
VMP4G	041 231 500	A	4	2	250	100	8	2.7	100	100	2.7	B7	P
VMS4	542 310 000	A	4	1	200	80	14	2.4	200	80	2.4	B5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
VMS4B	542 310 000	A	4	1	200	80	8	2.9	200	80	2.9	B5	P
VMI	2** 00* 300	D ₁	1.4						D			B7G	D
VM4V	542 310 000	A	4	1	200	80	14	2.4	200	80	2.4	B5	P
V02	645 320 600	G ₁	2	0	150	90	1.8		150	90		B7	O
V02S	023 064 560	G ₁	2	0	150	50	2.0		No Data Available			8SC	O
V04	645 231 500	G ₁	4	1.5	250	75	1.6		100	75		B7	O
V04S	023 154 560	G ₁	4	1.5	250	75	1.6		100	75		8SC	O
V06	123 164 560	G ₁	6	3	100	100	4.6		100	100		8SC	O
V013	645 231 500	G ₁	13	1.5	250	75	1.6		100	75		B7	O
V013(S)	123 154 560	G ₁	13	1.5	250	75	1.6		100	75		8SC	O
VPTA	041 231 500	A	13	2	250	100	4.2	2.9	100	100	2.9	B7	P
VPTS	041 231 500	A	13	3	200	100	5.5	2.6	100	90	2.6	B7	P
VPT2	542 300 000	A	2	1.5	125	60	1.5	1.1	125	60	1.1	B4	P
VPT2	041 230 500	A	2	1.5	125	60	1.5	1.1	125	60	1.1	B7	P
VPT4	542 310 000	A	4	3	250	100	5.5	2	100	90	2	B5	P
VPT4	041 231 500	A	4	3	250	100	5.5	2	100	90	2	B7	P
VPT4B	041 231 500	A	4	3	250	100	6	3.2	100	90	3.2	B7	P
VP2	041 230 500	A	2	1	150	150	3	1.5	150	150	1.5	B7	P
VP2B	061 230 500	G ₁	2	1.0	150	150	2.5	0.65	150	150	0.6	B7	P
(MUL)VP2B	065 231 500	G ₁	2	1.5	150	60	2	1.4	100	60	1.4	B7	H
VP2B	032 004 560		2	1.5	150	150	2.5	0.65	150	150	0.6	8SC	P
VP2BS	032 010 560	G ₁	2	1	150	150	2.5	0.65	150	150	0.6	8SC	P
VP2D	061 230 500	G ₁	2	1.5	150	75	1.3	2.0	150	75	2	B7	P
VP4	542 310 000	A	4	2	200	100	4.5	2.3	100	100	2.3	B5	P
VP4	041 231 500	A	4	2	200	100	4.5	2.3	100	100	2.3	B7	P
VP4A	542 310 000	A	4	2	200	100	4.25	2.5	100	100	2.5	B5	P
VP4A	041 231 500	A	4	2	200	100	4.25	2.5	100	100	2.5	B7	P
VP4B	061 231 500	G ₁	4	3	250	250	11.5	2	100	150	2	B7	P
VP4C	041 231 500	A	4	2	250	250	11.5	4	100	150	4	B7	P
VP4S	023 110 560	G ₁	4	3	250	100	8	1.8	100	90	1.8	8SC	P
VP4S	061 231 500	G ₁	4	3	250	100	8	1.8	100	90	1.8	B7	P
VP6	412 361 500		6	2.5	250	200	8	2.1	100	150	2.1	B7G	P
VP6	061 231 500	G ₁	6	3	250	100	7.5	1.7	200	100	1.7	B7	P
VP6S	023 110 560	G ₁	6	3	250	100	7.5	1.75	200	100	1.7	8SC	P
VP12D	026 985 310	G ₁	13	3	250	125	9	1.1	100	100	1.1	A08	DDP
VP13	041 231 500	A	13	1.5	200	100	6.3	3	100	100	3	B7	P
VP13	061 231 500	G ₁	13	3	200	100	8	2.8	100	100	2.8	B7	P
VP13A	023 110 560	G ₁	13	2	200	100	4	2.2	100	100	2.2	8SC	P
VP13B	061 231 500	G ₁	13	2	200	200	9	2.2	200	200	2.2	B7	P
VP13C	061 231 500	G ₁	13	2	200	200	9	2.2	200	200	2.2	B7	P
VP13K	061 231 500	G ₁	13	3	200	100	8	2	100	100	2	B7	P
VP13S	061 231 500	G ₁	13	3	200	100	8	2.8	100	100	2.8	B7	P
VP13S	023 110 560	G ₁	13	3	200	100	8	2.8	100	100	2.8	8SC	P
VP20	542 310 000	A	20	2	200	100	4	2.2	200	100	2.2	B5	P
VP21	041 230 500	A	2	1	150	60	2.8	1.1	150	60	1.1	B7	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
VP22	206 510 030	G ₁	2	1.5	125	60	1.2	0.8	100	60	0.8	M08	P
VP23	206 510 030	G ₁	2	1.5	125	60	1.4	1.0	100	60	1.0	M08	P
VP41	216 510 030	G ₁	4	2.7	250	200	7.7	2.0	100	150	2	M08	P
VP41	061 231 500	G ₁	4	3.5	250	250	11	3.1	100	200	3.1	B7	P
VPI33	216 510 030	G ₁	13	2.7	150	150	8	2.1	100	125	2.1	M08	P
VP210	041 230 500	A	2	1.5	125	60	1.1	0.82	100	60	0.8	B7	P
VP210	542 300 000	A	2	1.5	125	60	1.1	0.82	125	60	0.82	B4	P
VP215	542 300 000	A	2	1	150	75	3.75	1.25	150	75	1.25	B4	P
VP215	041 230 500	A	2	1	150	75	3.75	1.25	150	75	1.25	B7	P
VP215B	061 230 500	G ₁	2	1	125	125	3.25	1.2	125	125	1.2	B7	P
VP215C	041 230 500	A	2	1	125	125	3.25	1.2	125	125	1.2	B7	P
VPI320	041 231 500	A	13	2.7	250	100	5	2	100	100	2	B7	P
VPI321	041 231 500	A	13	2.8	250	200	7.4	2	175	175	2	B7	P
VPI322	061 231 500	G ₁	13	2.8	250	200	7.4	2	100	100	2	B7	P
VSGA1	542 310 000	A	4	1.5	200	100	7	6.15	100	100	6	B5	P
VS2	542 300 000	A	2	2.5	125	60	2	1.4	100	60	1.4	B4	P
VS24	542 300 000	A	2	1	150	75	4.4	1.5	150	75	1.5	B4	P
VS24K	542 300 000	A	2	1	150	75	4.4	1.5	150	75	1.5	B4	P
VS215	542 300 000	A	2	1	150	75	6	1.0	150	75	1.0	B4	P
VTP4	542 310 000	A	4	3	200	100	5.5	2	100	100	2	B5	P
VT1	642 310 000		4	5	200		5	2	100		2	B5	T
VT2	642 310 000		4	2	200		3	1.9	175		1.9	B5	T
VX2	061 235 500	G ₁	2	1	150	60	1		150	60		B7	P
VX2S	023 015 560	G ₁	2	1	150	60	1		150	60		8SC	P
VX4	515 231 600	G ₁	4	2	250	75	1.8		100	75		B7	P
VX4S	023 115 560	G ₁	4	2	250	75	1.8		100	75		8SC	P
VX6S	023 115 560	G ₁	6	3	250	100	1.85	4	100	100	4	8SC	P
VX13	515 231 600	G ₁	13	2	250	75	1.8		100	75		8SC	P
VX13S	023 115 560	G ₁	13	2	250	75	1.8		100	75		8SC	P
VY1	023 100 080		55				60		REC		20mA	8SC	R
V20s	023 100 080		20				60		REC		20mA	8SC	R
V20	802 310 000		20				60		REC		20mA	B5	R
V20/7000	002 300 000	D ₁	4				15		REC		10mA	B4	R
V25	081 231 900		25				60		REC		20mA	B7	RR
V30	802 310 000		30				120		REC		30mA	B5	R
V99	263 400 000		3	4.5	90		2.5	0.425	80		0.4	UX4	T
V245	041 230 500	A	3		250	250	16	5	100	PenLF	5	B7	P
V248A	200 540 030	A	2	10	150	150	32	5.2	100	100	5	M08	P
V312	602 310 000	G ₁	4	4.8	250		6	2.3	100		2.3	B5	T
V339	000 231 600	G ₁	4		250			1.7	100		1.7	B7	T
V453	206 510 030	G ₁	4	1.75	250	100	4.5	2.0	100	100	2	M08	P
V503	642 300 000		4	85	400		100	4.5	100		4.5	B4	T
V872	216 510 030	G ₁	6	4	200	200	6.7	3.35	100	150	3.3	M08	P
V914	892 310 000		4						D			B5	DD
V960	002 300 000	D ₁	4				60		REC		20mA	B4	R

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
VII120	045 231 000	A	6	9-75	200	200	40	8-7	100	100	7	B7	P
VII120B	040 231 500	A	4	9-75	200	200	40	8-7	100	100	7	B7	P
VI906	002 300 000	D ₁	4				60		REC		20mA	B4	R
VI907	002 300 000	D ₁	4				60		REC		20mA	B4	R
V2018	002 300 000	D ₁	20				30		REC		15mA	B4	R
V2118	802 310 000		20				60		REC		20mA	B5	R
WD30	560 231 890	G ₁	13	1	250	100	7	2-6	250	100	2-6	B9	DDP
WD40	560 231 890	G ₁	4	1	250	100	7	3-5	100	100	3-5	B9	DDP
WD142	268 154 130		13	2	175	90	5	2-1	100	100	1-9	B8A	DP
WD150	268 154 130		6	2	250	100	5	2-1	100	100	2	B8A	DP
W17	265 024 300		1-4	1	90	75	3-5	0-9	80	75	0-9	B7G	P
W21	041 230 500	A	2		150	125	3-6	1-4	150	125	1-4	B7	P
W21	542 300 000	A	2	1	150	125	3-6	1-4	150	125	1-4	B4	P
W30	041 231 500	A	13	1	250	250	12	4	250	250	4	B7	P
W31	041 231 500	A	13	3	250	100	8	2-7	100	90	2-7	B7	P
W42	061 231 500	G ₁	4	3	250	125	7-6	1-5	100	100	1-5	B7	P
W61	026 510 310	G ₁	6	3	250	75	8-5	2-9	100	75	2-9	A08	P
W63	026 510 310	G ₁	6	3	250	100	7-6	1-5	100	90	1-5	A08	P
W76	026 510 310	G ₁	13	3	250	100	7-6	1-5	200	100	1-5	A08	P
W77	412 361 500		6	2-5	200	200	8	2-5	100	150	2-5	B7G	P
W81	265 104 130		6	3-0	250	100	8	2-8	100	90	2-8	B8B	P
W101	265 104 130		19	3	250	100	8	2-8	100	90	2-8	B8B	P
W107	412 361 500		12-5	2-5	200	200	8	2-5	100	175	2-5	B7G	P
W142	261 154 130		12-5	3	250	250	7-2	2-2	100	150	2-2	B8A	P
W143	265 104 130		6	2-5	250	100	6	2-2	100	100	2-2	B8B	P
W145	260 154 130		13	2-5	175	100	7	2-3	100	100	2-3	B8A	P
W147	026 510 310	G ₁	6	2-5	250	100	6	2-2	100	100	2	A08	P
W148	265 104 130		6	2-5	250	150	9-5	3-8	100	150	3-8	B8B	P
W149	265 104 130		6	3	250	100	8-5	1-75	100	90	1-7	B8B	P
W150	261 154 130		6	2-5	250	250	6	2-2	100	150	2-2	B8A	P
W213	642 300 000		2	2-5	150		1	1-2	150		1-2	B4	T
W318	809 231 600	G ₁	4	2	100		3-5	2-5	100		2-5	B7	DDT
XD	642 300 000		2	1-5	75		2-5	0-75	80		0-7	Sm4	T
XD2.0V	642 300 000		2	1	50		0-65	0-56	No Data Available			Sm4	T
XH2.0V	642 300 000		2	1	50		0-45	0-56	No Data Available			Sm4	T
XL	642 300 000		2	1-5	75		1-5	0-85	80		0-8	Sm4	T
XL02.0V	642 300 000		2	1	50		1-1	0-92	No Data Available			Sm4	T
XL2.0V	642 300 000		2	1	50		1-0	0-84	No Data Available			Sm4	T
XP	642 300 000		2	4-5	75		4	1	80		1	Sm4	T
XP2	642 300 000		2	4-5	75		4	1	80		1	Sm4	T
XP2.0V	642 300 000		2	3	50		2	1-0	No Data Available			Sm4	T
XSG	542 300 000	A	2		125	60	1-75	0-6	100	60	0-6	Sm4	P
XSG2.0V	542 300 000	A	2	0	50	30	0-6	0-4	No Data Available			Sm4	P
XVS2.0V	542 300 000	A	2	1	50	30	0-4	0-33	No Data Available			Sm4	P
XW2.0V	251 630 000	G ₁	2	1	50	50	0-95	0-6	No Data Available			Sm5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
XXD	216 447 130		12.5	10	250		9	2.1	100		2.1	B8B	TT
XXL	260 004 130		6	8	250		8	2.3	100		2.3	B8B	T
XY	254 630 000		2	3	75	75	2		80	60	1	Sm5	P
XY2.0V	246 530 000		2	2	50	50	1.75	2.4	No Data	Available		Sm5	P
X14	026 546 300	G ₁	1.4	0	90	50	1.8	0.5	80	60	0.5	A08	H
X17	266 424 300		1.4	0	75			1.4	75		1.4	B7G	H
X18	266 464 300		1.4	0	75			1.4	75		1.4	B7G	H
X21	645 230 600	G ₁	2	0	150	75			100	75		B7	H
X22	645 320 600	G ₁	2	0	150	75			100	75		B7	H
X23	645 231 700	G ₁	2	{ 1.5	100 150		2.1 0.7		100 100			B7	TH
X24	645 231 700	G ₁	2	{ 1.5	100 150		2.1 0.7		100 100			B7	TH
X30	645 231 600	G ₁	13	3	150	75	7		100	75		B7	H
X31	645 231 700	G ₁	13	{	150 250	75	2.2 2.3		150 100			B7	TH
X32	645 231 600	G ₁	13	3	150	75	7		100	75		B7	H
X41	645 231 700	G ₁	4	{ 6 3	150 250	75	5 2.3	1.4 1.4	150 100		1.8 2.0	B7	TH
X42	645 231 600	G ₁	4	3	250	100	7		100	100		B7	H
X61	027 546 310	G ₁	6	{ 2 2	100 250	100	5.4 5	2.2 2.4	100 150		2.8 1.2	A08	TH
X63	026 545 310	G ₁	6	3	250	100	6	1.6	100	100	1.6	A08	H
X64	026 510 310	G ₁	6	6	250	150	3-25		100	100		A08	H
X65	027 546 310	G ₁	6	{ 1 3	100 250	100	8 4	2.5 1.2	100 100		1 0.5	A08	TH
X66	027 546 310	G ₁	6	{ 1 3	100 250	100	8 4	2.5 1.2	100 100		1.3 1.0	A08	TH
X71	027 546 310	G ₁	15	{ 3 3	100 250	100			100 150			A08	TH
X73	026 546 310	G ₁	6	3	150	75			100	75		A08	H
X76	027 546 310	G ₁	13	{ 1 3	100 250	100	8 4	2.5 1.2	100 100		3 1.6	A08	TH
X77	412 366 100		6	2	100		12	6.5	100		6.5	B7G	H
X78	542 376 400		6	{ 2 1	100 250	75	5 5.3	2.2 2.2	100 100		2.8	B7G	TH
X79	541 237 46*		6	{ 2 3	100 250	75	5 2.9	2.2	100 100		2.8	B9A	TH
X81	276 454 130		6	{ 1 2	100 250	100	4.8 3	1.4 2	100 100		1.6	B8B	TH
X101	276 454 130	G ₁	19	{ 2 2	100 250	100	3 3		100 100	100		B8B	TH
X108	542 376 400		19	{ 2 1	100 250	75	5 5.3	2.2 2.2	100 100		2.2 1.6	B7G	TH
X109	541 237 46*		19	{ 2 3	100 250	75	5 2.9	2.2	100 100		2.8	B9A	TH

VALVE	SELECTOR SWITCH No.	T.C	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
X142	276 454 130		14	{ 2 2	100 200	90	6.4 2.7	2.2 1.5	100 100	75	2.8 1.5	B8A	TH
X143	276 454 131		6	{ 2 2	100 250	90	6.25 5.3	2.4 2.2	100 100	100	3.2 2.2	B8B	TH
X145	276 454 130		28	{ 3.3 2.5	100 175	100	6 8	3 2.5	100 100	100	3 2.5	B8A	TH
X147	027 546 310	G ₁	6	{ 2 2	100 250	100	5.4 5	2.2 2.4	100 100	100	2.8 1.2	A08	TH
X148	276 454 130		6	{ 1 2	100 250	100	4.8 4	1.4 2	100 100	100	1.6	B8B	TH
X150	276 454 130		6	{ 2 2	100 250	100	6.8 9	2.6 3.5	100 100	100	2.8 3.5	B8A	TH
Y13	045 231 600		13	22	250	250	35		100	150		B7	P
Y220	642 300 000	S	2	4.5	150	150	10.5		100	125		B4	P
Y220	642 350 000		2	4.5	150	150	10.5		100	125		B5	P
Y230	642 350 000		2	3	150	150	7		100	125		B5	P
ZD	892 310 000		13						D			B5	DD
ZD17	208 564 300		1.4	1	90	90	2.7	0.63	80	90	0.6	B7G	DP
ZD152	541 236 891		6	2	250	90	5	2.2	100	90	2.2	B9A	DDP
Z14	036 500 200	G ₁	1.4	1	90	90	1.2	0.75	80	90	0.7	A08	P
Z21	542 300 000	A	2	1	150	125	2.5	1.7	150	125	1.7	B4	P
Z22	041 230 500	A	2	1	150	125	2.5	1.7	150	125	1.7	B7	P
Z26	045 231 600		26	5.5	250	250	32		100	PenLF		B7	P
Z62	026 510 310	G ₁	6	2	300	150	10	7.5	100	125	7.5	A08	P
Z63	026 500 310	G ₁	6	2	250	100	1.0	1.23	100	100	1.2	A08	P
Z66	026 510 310	G ₁	6	1.5	200	200	10.9	8.5	100	150	8.0	A08	P
Z73	026 510 310	G ₁	6	3	250	100	6.5	1.7	100	90	1.7	A08	P
Z77	412 361 500		6	2	250	250	10	7.5	100	150	5.0	B7G	P
Z90	256 101 403		6	2	250	250	10	6.0	100	150	6.0	B9G	P
Z142	260 154 130		21	2	175	175	10	8.5	100	150	8	B8A	P
Z145	261 514 130		22	1.8	200	200	10	9	100	150	7	B8A	P
Z150	260 154 130		6	2	250	250	10	9.5	100	150	8	B8A	P
Z152	141 230 651		6	2	175	175	10	7.4	100	125	6	B9A	P
Z220	642 300 000	S	2	6	150	150	18		100	100		B4	P
Z220	642 350 000		2	6	150	150	18		100	100		B5	P
OZ4	007 060 010				250		58	3K Ω				A08	CCR
00A	364 200 000		5	0	45		1.5	0.66	No Data Available			UX4	T
01A	364 200 000		5	4.5	90		2.5	0.725	80		0.72	UX4	T
I	281 300 000		6				60		REC		20mA	UX4	R
IAB5	365 004 220		1.2	1.5	150	150	6.8	1.35	No Data Available			B8B	P
IAC6	265 454 300		1.4	0	75			1.4	80		1.4	B7G	H
IAF4	265 024 300		1.4	0	90	90	1.65	0.95	80	90	0.9	B7G	P
IAF5	208 564 300		1.4	0	90	90	1.1	0.6	80	90	0.6	B7G	DP
IAX2	230 232 032	D ₁	1.4						D			B9A	D
IA3	281 0*8 300		1.4						D			B7G	D
IA4E	365 200 000	G ₁	2	3	150	75	2.2	0.65	100	75	0.6	UX4	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
IA4P	365 200 000	G ₁	2	3	90	75	2.2	0.72	80	75	0.7	UX4	P
IA4T	265 300 000	G ₁	2	3	150	75	2.2	0.625	100	75	0.6	UX4	P
IA5	036 540 200		1.4	4.5	90	90	4	0.85	80	75	0.8	A08	P
IA6	266 453 000	G ₁	2	0	150	75	3	0.425	80	60	0.4	UX6	P
IA7	026 546 300	G ₁	1.4	0	90	50	1.8	0.55	80	60	0.5	A08	H
IB4P	365 200 000	G ₁	2	3	90	75	1.6	0.6	80	60	0.6	UX4	P
IB4(T)	265 300 000	G ₁	2	3	175	75	1.7	0.65	100	60	0.6	UX4	P
IB5	268 943 000		2	3	150		0.8	0.57	100		0.5	UX6	DDT
IB6	265 406 300		1.4	1.5	90	75	1.5	0.75	80	75	0.75	B7G	P
IB7	026 546 300		1.4	0	90	50		0.875	80	60	0.8	A08	H
IB8	037 546 280		1.4	{ 0 6	90 90	0 90	0.15 6.3	0.27 1.15	80 80		0.15 1.1	A08	DTP
IC1	265 424 300		1.4	0	90	75	1.6		80	75		B7G	P
IC3	260 406 300		1.4	3	90		1.4	0.76	80		0.7	B7G	T
IC4	365 200 000	G ₁	2	0	175	75	2.5	1	175	75	1	UX4	P
IC5	036 540 200		1.4	7.5	90	90	7.5	1.55	80	75	1.5	A08	P
IC6	366 452 000	G ₁	2	0	175	75		1.05	175	75	1.05	UX6	P
IC7	026 546 300	G ₁	2	0	175	75		1.05	175	75	1.05	A08	P
ID4	264 530 000		2	6	175	175	9.5		100	100		UX5	P
ID5	802 310 000		40				120		REC		30mA	B5	R
ID5GP	036 500 200	G ₁	2	3	90	75	2.2	0.72	80	60	0.7	A08	P
ID5GT	036 500 200	G ₁	2	3	150	75	2.2	0.65	100	60	0.6	A08	P
ID6	280 183 000		25				60		REC		20mA	UX6	R
ID7	036 546 200	G ₁	2	0	150	75	3	0.425	175	75	1.05	A08	P
ID8	037 546 280	G ₁	1.4	{ 9	90 90	0 90	1.1 5	0.575 0.925	80 80	75	0.5 0.9	A08	DTP
ID13	281 0*8 300		1.4						D			B7G	D
IE4	026 040 300		1.4	3	90		1.4	0.76	80		0.76	A08	T
IESGP	036 500 200	G ₁	2	3	90	75	1.6	0.6	80	60	0.6	A08	P
IE5	036 500 200	G ₁	2	3	175	75	1.7	0.65	100	60	0.6	A08	P
IE7	036 447 250		2	4.5	150	150	7.5	1.425	100	100	1.4	A08	PP
IFD9	208 564 300		1.4	1	75	75	1.6	0.63	80	75	0.63	B7G	P
IF2	265 024 300		1.4	1	90	75	2.9	0.92	80	75	0.92	B7G	P
IF3	265 024 300		1.4	1	90	50	1.8	0.75	80	60	0.75	B7G	P
IF4	364 520 000		2	3	90	90	4	1.4	80	75	1.4	UX5	P
IF5	036 540 200		2	3	90	90	4	1.4	80	75	1.4	A08	P
IF6	365 892 000	G ₁	2	1.5	175	75	2.2	0.65	175	75	0.6	UX6	DDP
IF7	036 985 200	G ₁	2	1.5	175	75	2.2	0.65	175	75	0.6	A08	DDP
IF7GV	036 895 200	G ₁	2	1.5	175	75	2.2	0.65	175	75	0.6	A08	P
IG4	036 040 200		1.4	6	90		2.3	0.825	80		0.825	A08	T
IG5	036 540 200		2	6	90	90	8.5	1.5	80	75	1.5	A08	P
IG6	026 447 300		1.4	0	90		1.0	0.675	80		0.67	A08	TT
IH4	026 040 300		2	9	150		3	0.9	100		0.9	A08	T
IH5	036 080 200	G ₁	1.4	0	90		0.15	0.275	80		0.27	A08	DT
IH6	036 894 200		2	3	150		0.8	0.575	100		0.57	A08	DDT

VALVE	SELECTOR SWITCH No.	T.C.	Vi	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
IJ5	036 540 200		2	16.5	150	150	7	0.95	100	100	0.9	A08	P
IJ6	026 447 300		2	3	150		1.7		100			A08	TT
IJ6GX	026 447 300		2	0	125		5		125			A08	TT
IK4	365 200 000	G ₁	2	0	150	75	2.5	1.05	150	75	1.05	UX4	P
IK5	026 500 300	G ₁	2	0	125	75	2.5	1.05	125	75	1.05	A08	P
IK6	369 852 000	G ₁	2	3	150	90	0.9	0.6	100	75	0.6	UX6	DDP
IK7	026 895 300	G ₁	2	4.5	125	150	1.5	0.7	100	125	0.7	A08	DDP
ILA4	365 004 020		1.4	4.5	90	90	4	0.85	80	75	0.85	B8B	P
ILA4E	365 004 020		1.4	4.5	90	90	3.5	0.8	80	75	0.8	B8B	P
ILA6	366 454 020		1.4	0	90	50		0.55	80	60	0.5	B8B	P
ILA6E	366 454 020		1.4	0	90	50		0.55	80	60	0.5	B8B	P
ILB4	365 004 020		1.4	9	90	90	5	0.925	80	75	0.9	B8B	P
ILB6	276 554 430		1.4	0	75		1.2		80			B8B	H
					90	75	0.4		80	75			
ILC5	365 124 020		1.4	0	90	50	1.15	0.775	80	60	0.77	B8B	P
ILC6	266 454 030		1.4	0	90	50	3	0.55	80	60	0.5	B8B	P
ILD5	365 904 020		1.4	0	90	50	0.6	0.578	80	60	0.5	B8B	P
ILE3	360 0*4 020		1.4	3	90		1.4	0.76	80		0.76	B8B	T
ILF3	360 004 020		1.4	3	90		1.4	0.76	80		0.76	B8B	T
ILG5	365 124 020		1.4	1.5	90	90	3.7	1.15	80	90	1.15	B8B	P
ILH4	360 804 020		1.4	0	90		0.15	0.275	80		0.27	B8B	DT
ILN5	365 124 020		1.4	0	90	90	1.6	0.8	80	90	0.8	B8B	P
ILN5E	365 124 020		1.4	0	90	90	1.6	0.8	80	90	0.8	B8B	P
IL4	265 024 300		1.4	0	90	75	2.9	0.925	80	75	0.9	B7G	P
IL5	026 540 300		2	6	175	175	9.5	2.4	100	150	2.4	A08	P
IL6	266 454 300		1.4	0	90	50	4	0.55	No Data Available			B7G	H
IM5G	036 500 200	G ₁	2	0	150	75	2.5	1	150	75	1	A08	P
IN5	036 500 200	G ₁	1.4	0	90	90	1.2	0.750	80	90	0.75	A08	P
IN6	036 548 200		1.4	4.5	90	90	3.4	0.8	80	75	0.8	A08	DP
IP5	036 500 200	G ₁	1.4	0	90	90	2.3	0.75	80	90	0.75	A08	P
IP10	264 536 200		1.4	7	90	75	7.4	1.57	80	60	1.57	B7G	P
IP11	365 024 300		1.4	4.5	90	90	9.5	2.15	80	75	2	B7G	P
IQ5	036 540 200		1.4	4.5	90	90	9.5	2.2	80	75	2.2	A08	P
IR	026 510 300	G ₁	1.4	0	90	90	1.2	0.75	80	90	0.75	A08	P
IR4	200 800 130		1.4						D			B8B	D
IR5	266 424 300		1.4	0	75			1.4	80		1.4	B7G	H
ISA6	021 405 360		1.4	0	90	75	2.45	0.97	80	75	0.97	A08	P
ISB6	036 580 240		1.4	0	90	75	1.45	0.665	80	75	0.66	A08	DP
IS4	264 526 300		1.4	7	90	75	7.4	1.575	80	60	1.5	B7G	P
IS5	208 564 300		1.4	0	75	75	1.6	0.625	80	75	0.625	B7G	DP
IT	036 500 320	G ₁	1.4	4.5	90	90	9.9	2.1	80	75	2.1	A08	P
IT2	123 000 000	D ₁	1.4						D			B3G	D
IT4	265 024 300		1.4	0	90	75	3.5	0.9	80	75	0.9	B7G	P
IT5	036 540 200		1.4	6	90	90	6.5	1.15	80	75	1.15	A08	P
IU4	265 024 300		1.4	0	90	90	1.6	0.9	80	90	0.9	B7G	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
IU5	265 804 300		1.4	0	75	75	1.6	0.625	80	75	0.6	B7G	DP
IU6	266 451 300		1.4		75	50			No Data Available			B7G	H
IV	281 300 000		6				60		REC		20mA	UX4	R
IV2	*** 23* **8		0.625						D			B9A	D
IW4	265 004 300		1.4	9	90	90	5	0.925	80	75	0.9	B7G	P
IY2	200 300 000	D ₁	1.4						D			UX4	D
IX2	230 232 032	D ₁	1.25						D			B9A	D
IZ2	232 232 300	D ₁	1.4				2		D			B7G	R
2	642 300 000		2	4	150		1.5		100			B4	T
2A3	264 300 000		2.5	45	250		60	5.2	100		5.2	UX4	T
2A3H	364 200 000		2.5	62	300		40	5.25	100		5.25	UX4	T
2A5	265 413 000		2.5	16.5	250	250	34	2.5	100	PenLF	2.5	UX6	P
2A6	268 913 000	G ₁	2.5	2	250		0.9	1.1	150		1.1	UX6	DDT
2A7	275 641 300	G ₁	2.5	1.5	100		2		100				
					250	50	1.1		100	60		Sm7	H
2B7	265 891 300	G ₁	2.5	3	250	125	9	1.125	100	100	1.12	UX7	DDP
2B7S	265 891 300	G ₁	2.5	3	250	100	6	1	100	100	1	UX7	DDP
2B21	300 200 000	D ₁	2.5				5		D			UX4	R
2B22	021 010 310	D ₁	6						D			A08	D
2B25	200 800 300		1.4						D			B7G	D
2B26	280 300 000		2.5				120		REC		30mA	UX4	R
2B35	123 000 000	D ₁	6						D			B3G	D
2B36	123 000 000	D ₁	4						D			B3G	D
2C21	217 461 300	G ₁	6	16.5	250		8.3	1.375	100		1.37	UX7	TT
2C22	020 000 310	A G ₁	6	10.5	300		11	3	100		3	A08	T
2C23	264 300 000		7.5	32	350		16	1.55	100		1.5	UX4	T
2C26	020 000 310	A ₁ G ₁	6	15	350		16		100			A08	T
2C48	265 004 130		6	15	250	250	70		100	150		B8B	P
2C50	265 004 130		6	15	250	250	70		100	150		B8B	P
2C51	214 607 413		6	2	150		8.2	5.5	125		5.5	B9A	TT
2C52	461 471 230		12.5	2	250		1.3	1.9	200		1.9	A08	TT
2D1	289 130 000		2.5						D			UX5	DD
2D2	892 310 000		2						D			B5	DD
2D4	892 310 000		4						D			B5	DD
2D4A	892 310 000		4						D			B5	DD
2D4B	091 231 800		4						D			B7	DD
2DI3C	892 310 000		13						D			B5	DD
2D21	412 316 100		6		400		66	6kΩ	No Data Available			B7G	Thyratron
2E22	254 130 000	A ₁	6		400	250	100		100	PenLF		UX5	P
2E24	235 242 300	A	3	18.5	400	200	16	3.2	200	100	3.2	A08	P
2E26	125 141 300	A	6	20	200	200	20	3.5	100	80	3.5	A08	P
2E30	413 365 200		3	20	250	250	40	3.7	100	PenLF	3.7	B7G	P
2HMD	452 310 000	A ₁ A ₂	4		200	100	3.8	1.14	100	100	1.1	B5	PP
2P	642 300 000		2	22	250		40	7	100		7	B4	T
2S	289 130 000		2.5				15		REC		10mA	UX5	RR

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
2T/270K	112 311 100	D ₁	4				5		REC		5mA	B7G	R
2V3	020 000 300	D ₁	2.5				2		D			A08	R
2W3	020 800 030		2.5				60		REC		20mA	A08	R
2XP	642 300 000		2	36	300		50	7	100		7	B4	T
2X2	300 200 000	D ₁	2.5				5		D			UX4	R
2X2A	300 200 000	D ₁	2.5				5		D			UX4	R
2X3	020 800 030		2.5				120		REC		30mA	A08	R
2Y2	200 300 000	D ₁	2.5				5		D			UX4	R
2Z2	280 300 000		2.5				60		REC		20mA	UX4	R
3	642 300 000		2	7.5	150		3.4	0.9	100		0.9	B4	T
3A4	365 426 300		1.4	8.4	150	90	13.3	1.9	100	75	1.9	B7G	P
3A5	264 347 200		1.4	2.5	90		3.7	1.8	80		1.8	B7G	TT
3A8	237 546 380	G ₁	1.4	0	90	0	1.5	0.325	80	60	0.32	A08	DTP
3A/107A	264 300 000		4	8	125		6.5	1.6	100		1.6	UX4	T
3A/107B	642 300 000		4	8	125		6.5	1.6	100		1.6	B4	T
3A/108A	264 300 000		2	1.5	125		0.9	0.5	100		0.5	UX4	T
3A/108B	642 300 000		2	1.5	125		0.9	0.5	100		0.5	B4	T
3A/109A	264 300 000		4	8	125		19	1.2	100		1.2	UX4	T
3A/109B	642 300 000		4	8	125		19	1.2	100		1.2	B4	T
3A/154M	260 0*4 130		6	2	250		12	3	100		3	B8B	T
3B5	036 540 320		1.4	7	75	75	6.7	1.5	80	60	1.5	A08	P
3B7	364 204 730		1.4	0	90		5.2	1.85	80		1.85	B8B	TT
3B21	289 300 000		2.5				120		REC		30mA	UX4	RR
3B22	289 300 000		2.5				120		REC		30mA	UX4	RR
3B23	200 300 000	D ₁ D ₂	2.5				120		REC		30mA	UX4	RR
3B24	320 200 000	D ₁	2.5				30		REC		15mA	UX4	R
3B25	200 300 000	D ₁	2.5				120		REC		15mA	UX4	R
3B26	030 000 200	D ₁	2.5				15		REC		10mA	A08	R
3B27	280 300 000		2.5				120		REC		30mA	UX4	R
3B28	300 200 000	D ₁	2.5				120		REC		30mA	UX4	R
3B/240M	214 444 130	A	6	10	300		80		No Data Available			B8B	T
3B/241M	214 444 130	A	19	1	300		25	27	No Data Available			B8B	T
3B/252B	642 310 000		6	20	400		60	10	100		8	B5	T
3C5	036 540 320		1.4	9	90	90	6	1.4	80	75	1.4	A08	P
3C6	206 447 320		1.4	0	90		4.5	1.3	80		1.3	A08	TT
3D6	365 004 230		1.4	4.5	150	90	10.2	2.4	100	75	2.4	B8B	P
3E5	365 024 300		1.4	8	90	90	6	1.2	80	75	1.2	B7G	P
3E6	265 134 020		1.4	0	90	90	2.5	1.8	80	90	1.8	A08	P
3LE4	365 004 230		1.4	9	90	90	1.8	1.6	80	75	1.6	A08	P
3LF4	365 004 230		1.4	4.5	90	90	8	2	80	75	2	B8B	P
3Q4	364 526 300		1.4	5	90	90	6.9	1.975	80	75	1.9	B7G	P
3Q5	036 540 320		1.4	4.6	90	90	8	2	80	75	2	A08	P
3S4	364 526 300		1.4	7	90	75	7.4	1.574	80	60	1.5	B7G	P
3V4	365 024 300		1.4	4.5	90	90	7.7	2	80	75	2	B7G	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
4	642 300 000		2	1	150		1	0.9	150		0.9	B4	T
4A6G	026 447 230		2	1.5	90		1.2	0.9	80		0.9	A08	TT
4CI	264 300 000		3	3	90		5	1	80		1	UX4	T
4DI	000 231 600	G ₁	13	3	250		10	4	150		4	B7	T
4NG	892 300 000		4				30		REC		15mA	B4	RR
4S	289 130 000		2.5						D			UX5	D
4THA	645 231 700	G ₁	4	{ 2	100		1.5		100			B7	TH
					250	100	3.5		100	100			
4TP	446 231 500	A ₁	4	5	150	150	16	4.5	150	100	4.5	B7	TP
4TPB	061 231 500	G ₁	4	3	250	150	12	8	100	100	7	B7	P
4TSP	041 231 500	A	4	3	250	150	12	8	100	100	7	B7	P
4XP	642 300 000		4	28.5	250		48	7	100		6	B4	T
4/100BU	892 300 000		4				120		REC		30mA	B4	RR
5AZ4	020 809 030		5				60		REC		20mA	B8B	RR
5A6	601 225 413		2.5	15	150	150	40		100	100		B9A	P
5A/102D	026 510 310	G ₁	7.5	18	175	150	42	2.5	100	100	2.5	A08	P
5A/136D	026 510 310	G ₁	7.5	5.5	250	150	5.2	2	100	100	2	A08	P
5A/150A	265 113 000	G ₁	10	5.5	250	150	5.2	2	100	100	2	UX6	P
5A/152M	265 104 130		6	2	250	150	10	7.5	100	100	5	B8B	P
5A/155M	256 101 403		6	2	250	250		6.5	100	150	5	B9G	P
5A/156M	256 101 403		6	1.7	250	250		7.7	100	150	6	B9G	P
5A/157D	026 510 310	G ₁	6	2	250	100		1.8	100	100	1.8	A08	P
5A/163K	141 236 115		6		200	200	15	15	No Data Available			B9A	P
5B/110M	265 104 130		6	6	250	150	38	6.5	100	100	5	B8B	P
5B/251M	215 044 130	A	6	15	250	250	72	6	100	100	5	B8B	P
5B/252M	265 044 130		6	15	250	250	72	6	100	100	5	B8B	P
5B/253M	265 044 130		19	15	250	250	72	6	100	100	5	B8B	P
5B/254M	215 144 130	A	6	20	300	250	50	5.6	100	100	5	B8B	P
5B/255M	215 144 130	A	6	20	300	250	50	5.6	100	100	5	B8B	P
5B/256M	215 144 130	A	19	20	300	250	50	5.6	100	100	5	B8B	P
5B/257M	215 144 130	A	12	20	300	250	50	5.6	100	100	5	B8B	P
5E255	642 350 000		2	4.5	150	150	9.5	2.5	100	125	2.5	B5	P
5E415	642 350 000		4	25	300	200	20	1.7	100	PenLF	1.7	B5	P
5Q5	036 540 320		1.4	4.6	90	90	4.5	2	80	75	2	A08	P
5R4	020 809 030		5				60		REC		20mA	A08	RR
5R4GY	030 809 020		5				60		REC		20mA	A08	RR
5T4	020 809 030		5				120		REC		30mA	A08	RR
5U4	020 809 030		5				120		REC		30mA	A08	RR
5V4	030 809 020		5				60		REC		20mA	A08	RR
5W4	020 809 030		5				60		REC		20mA	A08	RR
5X3	289 300 000		5				15		REC		10mA	A08	RR
5X4	008 090 230		5				120		REC		30mA	A08	RR
5Y3GB	030 809 020		5				60		REC		20mA	A08	RR
5Y3GR	020 809 030		5				60		REC		20mA	A08	RR
5Y3GT	020 809 030		5				60		REC		20mA	A08	RR
5Y4	008 090 230		5				60		REC		20mA	A08	RR

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
5Y4SG	008 090 230		5				60		REC		20mA	A08	RR
5Z3	289 300 000		5				120		REC		30mA	UX4	RR
5Z4	030 809 020		5				60		REC		20mA	A08	RR
5Z4G	030 809 020		5				60		REC		20mA	A08	RR
6AB4	602 304 100		6	2	250		10	5.5	200		5.5	B7G	T
6AB7	021 415 360		6	3	300	200	12.5	5	100	150	5	A08	P
6AB8	641 237 154		6	2 8-4	100	0	4	1.4	100		1.4	A08	TP
					200	200	17.5	3.5	100	150	3.5	B9A	
6AC5	026 040 310		6		250		32	3.4	100		3.4	A08	T
6AC7	021 415 360		6	2	300	150	10	9	100	100	8	A08	P
6AD5	026 040 310		6	2	250		0.9	1.5	200		1.5	A08	T
6AD7	427 546 310		6	25 16.5	250	0	4	0.325	100	PenLF	0.32	A08	TP
					250	250	34	2.5	100		2.5		
6AE5	026 040 310		6	15	100		7	1.2	80		1.2	A08	T
6AE6	026 740 310		6	1.5	250		6.5	1	200		1	A08	TT
6AE7	026 414 310		6	13.5	250		10	3	100		3	A08	TT
6AF4	642 314 600		6	4	100		16	6.6	80		6	B7G	T
6AF5	026 040 310		6	18	175		7	1.5	100		1.5	A08	T
6AG5	412 365 100		6	1.5	250	150	6.5	5	100	100	5	B7G	P
6AG6	026 540 310		6	6	250	250	32	10	100	PenLF	9	A08	P
6AG7	120 415 360		6	3	300	150	30	11	100	100	10	A08	P
6AH5	520 604 310		6	18	350	250		5.2	100	PenLF	5	A08	P
6AH6	412 365 100		6	2	300	150	10	9	100	100	8	B7G	P
6AH7GT	417 146 230		6	9	250		12	2.4	100		2.4	A08	TT
6AJ4	414 464 234		6	2	125		8	7	100		10	B9A	T
6AJ5	412 365 100		6	1	30	30	2.7	2.5	No Data Available			B7G	P
6AJ7	021 415 360		6	2	300	300	10	9	150	150	7.5	A08	P
6AK5	412 365 100		6	2.3	150	150	7	4.3	100	100	4	B7G	P
6AK6	412 365 100		6	9	175	175	15	2.3	100	100	2.3	B7G	P
6AK7	120 415 360		6	3	300	150	30	11	100	100	9	A08	P
6AL5	192 310 800		6				5		D			B7G	RR
6AL6	020 540 310	A	6	14	250	250	72	6	100	PenLF	6	A08	P
6AM4	414 464 234		6	1.5	150		2.8	7	100		9	B9A	T
6AM5	412 360 500		6	13.5	250	250	16	2.6	100	PenLF	2.6	B7G	P
6AM6	412 361 500		6	2	250	250	10	7.5	100	PenLF	5	B7G	P
6AN5	412 365 100		6	6	125	125	35	8	100	100	7	B7G	P
6AN6	289 ††† 300		6						D			B7G	DDDD
6AQ5	412 365 400		6	12.5	250	250	45	4.1	100	PenLF	4	B7G	P
6AQ6	412 398 600		6	3	250		1.0	1.2	150		1.2	B7G	DDT
6AQ7	918 461 230		6	2	250		2.3	1.6	100		1.6	A08	DDT
6AR5	412 365 000		6	16	250	250	34	2.4	100	PenLF	2.4	B7G	P
6AR6	106 052 430		6	36	300	300	58	4.3	100	PenLF	4.3	A08	P
6AR7GT	461 891 230		6	2	250		1.3	1.05	200		1.05	A08	DDT
6AS5	142 345 600		6	8.5	150	125	35	5.6	100	100	5	B7G	P
6AS6	412 365 100		6	2	125	125	5.5	3.5	100	100	3.5	B7G	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6AS7	471 461 230		6	31.5	150		125	7	100		7	A08	TT
6AT6	412 389 600		6	3	250		1	1.2	150		1.2	B7G	DDT
6AU5	421 060 350		6	20	100	150	50	6	90	60	6	A08	P
6AU6	412 365 100		6	1	250	150	10.6	5.2	100	150	5.2	B7G	P
6AV5	421 060 350		6	22.5	250	150	55	5.8	100	100	5.8	A08	P
6AV6	412 389 600		6	2	250		1.2	1.6	200		1.6	B7G	DDT
6AW4	289 130 000		6				30		REC		15mA	UX5	RR
6AW5	208 190 310		6				30		REC		15mA	A08	RR
6AW6	412 365 100		6	1.8	250	150	7	5	100	125	5	B7G	P
6AW7	149 816 230		6	0	100		1.4	1.2	100		1.2	A08	DDT
6AX4	001 080 230		6				120		REC		35mA	A08	R
6AX5	029 080 310		6				60		REC		20mA	A08	RR
6AX6	028 190 310		6				120		REC		30mA	A08	RR
6AY8	026 589 310	G ₁	6	5	250	100	52	9.5	100	90	9	A08	DDP
6A3	264 300 000		6	45	250		60	5.25	100		5	UX4	T
6A4	264 530 000		6	9	150	150	14	1.9	100	100	1.9	UX5	P
6A5	026 040 310		6	45	250		60	5.25	100		5	A08	T
6A6	274 146 300		6	5	250		6	3.1	100		3.1	UX7	TT
6A7	265 541 300	G ₁	6	2	250	100		1.15	100	100	1.15	Sm7	H
6A7E	265 541 300	G ₁	6	2	250	100		1.15	100	100	1.15	Sm7	H
6A7S	265 541 300	G ₁	6	2	250	100		1.15	100	100	1.15	Sm7	H
6A8	026 545 310	G ₁	6	8	250	100	3.5	1.15	100	100	1.15	A08	H
6BA6	412 365 100		6	1	250	100	11	4.4	100	100	4.4	B7G	P
6BA7	641 231 106		6	2	100		18	7	100		7	B9A	H
6BC5	412 365 100		6	1.3	250	150	7.5	5.7	100	125	5.7	B7G	P
6BC7	180 239 111		6				5		D			B9A	RRR
6BD5	421 060 350		6	12	200	200		5	100	100	5	A08	P
6BD6	412 365 100		6	3	250	100	9	2	100	100	2	B7G	P
6BE6	412 366 100		6	2	100		11	7.0	100		5	B7G	H
6BE7	541 236 114		6	1	250	20	0.95	0.7	No Data Available			B9A	N
6BF5	412 365 400		6	7.5	100	100	49	7.5	100	90	7	B7G	P
6BF6	412 398 600		6	9	250		9.5	1.9	100		1.9	B7G	DDT
6BG6	021 040 350	A	6	15	300	250	75	6	100	PenLF	5	A08	P
6BH6	412 365 100		6	1	250	150	7.4	4.6	100	PenLF	4.6	B7G	P
6BJ6	412 365 100		6	1	250	100	9.2	3.6	100	100	3.6	B7G	P
6BK5	604 231 450		6	5	250	250	35	8.5	100	150	8	B9A	P
6BK6	412 389 600		6	2	250		1.2	1.6	100		1.6	B7G	DDT
6BK7	741 236 410		6	1	100		9	6.1	100		6	B9A	TT
6BK7-A	741 236 410		6	2	150		10.7	9	100		9	B9A	TT
6BL7	471 461 230		6	9	250		40	7	100		6	A08	TT
6BN6	142 354 600		6	1	60	60	0.25	1	80	60	1	B7G	P
6BN7	741 231 406		6	15	250		24	5.5	No Data Available			B9A	TT
6BN8	026 895 310	G ₁	6	1	125		5	2					
			6	3	250	125	9	1.13	100	100	1.1	A08	DDP

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
6BQ6	020 540 310	A	6	22.5	250	150	55	5.5	100	100	5	A08	P
6BQ7	741 236 410		6	2	150		9	6	150		6	B9A	TT
6BQ7-A	741 236 410		6	2	150		9	6.4	100		5	B9A	TT
6BR7	041 230 651		6	3	250	100	2	1.225	100	100	1.2	B9A	P
6BS7	001 230 651	G ₁	6	3	250	100	2	1.25	100	100	1.2	B9A	P
6BT6	412 389 600		6	3	250		1	1.2	150		1.2	B7G	DDT
6BU6	412 389 600		6	9	250		9.5	1.9	100		1.9	B7G	DDT
6BW6	*41 230 651		6	13	300	225	34	3.75	100	150	3.7	B9A	P
6BW7	141 230 651		6	1.4	250	250	9.7	8.2	100	100	7	B9A	P
6BX6	141 230 651		6	2	175	175	10	7.2	100	150	6	B9A	P
B6X7	471 461 230		6	16.4	250		42	7.6	100		6	A08	TT
6BY5	120 980 310		6				60		REC		20mA	A08	RR P
6BY8	026 598 310	G ₁	6	4	250	250	44	12	100	PenLF	10	A08	DD
6B4	026 040 300		6	45	250		60	5.25	100		5	A08	T
6B6	026 980 310	G ₁	6	2	250		0.9	1.1	100		1.1	A08	DDT
6B7	265 891 300	G ₁	6	3	250	125	9	1.125	100	100	1.1	Sm7	DDP
6B7E	265 891 300	G ₁	6	3	250	125	9	1.125	100	100	1.1	Sm7	DDP
6B7S	265 891 300	G ₁	6	3	250	125	9	1.125	100	100	1.1	A7	DDP
6B8	026 985 310	G ₁	6	3	250	125	10	1.325	100	100	1.3	A08	DDP
6B8G	026 985 310	G ₁	6	3	250	125	9	1.125	100	100	1.2	A08	DDP
6B8SG	026 985 310	G ₁	6	3	250	125	9	1.125	100	100	1.2	A08	DDP
6CB6	412 365 100		6	2.2	200	150	9.5	6.2	100	150	6	B7G	P
6CD6	021 040 350	A	6	30	175	175		7.5	100	100	7	A08	P
6CH6	*41 230 651		6	4.5	250	250	40	11	100	150	9	B9A	P
6CL6	145 236 154		6	3	250	150	30	11	No Data Available			B9A	P
6CJ6	*41 23* *51	A	6	22	175	175	45	6.2	100	100	5	B9A	P
6C4	602 364 100		6	8.5	250		10.5	2.2	100		3.1	B7G	T
6C5	026 040 310		6	8	250		8	2	100		2	A08	T
6C6	265 113 000	G ₁	6	3	250	100	2	1.225	100	100	1.2	UX6	P
6C7	260 981 300	G ₁	6	9	250		4.5	1.25	100		1.2	A7	DDT
6C8	026 147 310	G ₁	6	4.5	250		3.2	1.6	100		1.6	A08	TT
6C9	276 454 130		6	1	100		5.0		80			B8A	TH
6C10	276 454 130		6	2.5	250	100	3.0	2.5	100	100	2.5	B8A	TH
			6	1	100		6.5	2.2	100		2.8		
			6	2	250	100	6.3	2.4	200	100	2.4		
6C31	027 546 310	G ₁	6	4	100		7	3.4	100		5	A08	TH
6DR4	123 000 000	D ₁	6	3	250	100	5	2.8	100	100	3.1		
6D1	123 000 000	D ₁	6						D			B3G	D
6D2	192 310 800		6				5		D			B7G	RR
6D3	812 380 000		6				5		D			B7G	R
6D5	026 040 310		6	40	275		31	2.1	100		2.1	A08	T
6D6	265 113 000	G ₁	6	3	250	100	8.2	1.6	100	100	1.6	UX6	P
6D7	265 101 300	G ₁	6	3	250	100	2	1.225	100	100	1.2	A7	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
6D8	027 546 310	G ₁	6	{ 3	150		4.2		100			A08	H
6EH6	412 365 100		6	1	250	100	3.5		150	100		B7G	P
6E6	274 146 300		6	27.5	250		18	1.7	100		1.7	UX7	TT
6E7	265 101 300	G ₁	6	3	250	100	8.2	1.6	100	100	1.6	A7	P
6E8G	027 546 310	G ₁	6	{	150		3.3	2.8	150		2.8	A08	TH
					250	100	2.3		100	100			
6F1	261 514 130		6	1.8	200	200	10	9	100	PenLF	8	B8A	P
6F5	020 600 310	G ₁	6	2	250		0.9	1.5	100		1.5	A08	T
6F6	026 540 310		6	16.5	250	250	34	2.5	100	PenLF	2.5	A08	P
6F7	275 641 300	G ₁	6	{ 3	100	0	3.5	0.5	100		0.5		
				{ 3	100	100	6.3	1.05	100	100	1.05	A7	TP
6F7B	275 641 300	G ₁	6	{ 3	100	0	3.5	0.5	100		0.5		
				{ 3	100	100	6.3	1.05	100	100	1.05	UX7	TP
6F7E	275 641 300	G ₁	6	{ 3	100	0	3.5	0.5	100		0.5		
				{ 3	100	100	6.3	1.05	100	100	1.05	UX7	TP
6F7M	023 756 410	G ₁	6	{ 3	100	0	3.5	0.5	100		0.5		
				{ 3	100	100	6.3	1.05	100	100	1.05	A08	TP
6F8	027 146 310	G ₁	6	8	250		9	2.6	100		2.6	A08	TT
6F11	260 154 130		6	1.8	250	100	4.4	2.2	100	100	2.2	B8A	P
6F12	412 361 500		6	2	250	250	10	7.5	100	150	5	B7G	P
6F13	260 154 130		6	1.8	200	200	10	9	150	150	8	B8A	P
6F14	260 154 130		6	1.25	150	150	28	10.6	100	100	8	B8A	P
6F15	260 154 130		6	2.5	250	100	7	2.3	100	100	2.3	B8A	P
6F16	261 154 130		6	2.5	250	100	6	2.2	100	100	2.2	B8A	P
6F17	412 361 500		6	2	150	150	46	6	No Data Available			B7G	P
6F32	216 510 030	G ₁	6	4.5	200	200	5.1	3	100	150	3	M08	P
6F33	412 361 500		6	4	200	200	5.75	3.55	100	150	3.5	B7G	P
6G6	026 540 310		6	9	175	175	15	2.3	100	100	2.3	A08	P
6G7	026 985 310	G ₁	6	3	250	125	10	1.325	100	100	1.3	A08	DDP
6G8	026 985 310	G ₁	6	3	250	125	9	1.125	100	100	1.1	A08	DDP
6H4	020 800 310		5						D			A08	D
6H6	029 180 310								D			A08	DD
6H8G	026 895 310	G ₁	6	2	250	125	8.5	2.4	100	100	2.4	A08	DDP
6H8MG	026 895 310	G ₁	6	2	250	125	6	1.8	100	100	1.8	A08	DDP
6J4	412 344 600		6	1.5	150		15	12	100		10	B7G	T
6J5	026 040 310		6	8	250		9	2.6	100		2.6	A08	T
6J6	762 344 100		6	3	150		5	4.5	100		5.3	B7G	TT
6J7	026 510 310	G ₁	6	3	250	100	2	1.225	100	100	1.2	A08	P
6J8	027 546 310	G ₁	6	{ 3	150			1.6	100		1.6	A08	TH
				{ 3	250	100	1.3		100	100			
6K5	026 000 310	G ₁	6	3	250		1.1	1.4	200		1.4	A08	T
6K6	026 540 310		6	18	250	250	32	2.3	100	PenLF	2.3	A08	P
6K7	026 510 310	G ₁	6	3	250	125	10.5	1.65	100	100	1.6	A08	P
6K8	027 546 310	G ₁	6	{ 1	100		8	2.5	100		3	A08	TH
				{ 3	250	100	4	1.2	100	100	1.6		

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6K25	026 040 310		6						No Data Available			A08	Thyratron
6LD20	264 098 130		6	5.9	250		5	2.3	100		2.3	B8A	DDT
6L1	274 164 130		6	8.6	200		10	2.8	100		2.8	B8A	TT
6L5G	026 040 310		6	9	250		8	1.9	100		1.9	A08	T
6L6	026 540 310		6	18	350	250	54	5.2	100	PenLF	5.2	A08	P
6L7	026 540 310	G ₁	6	3	250	100	5.3	1.1	100	100	1.1	A08	P
6L18	26* 0*4 130		6	13.3	250		12	5.5	80		7	B8A	T
6L19	274 164 130		6	1.8	200		5	3.1	150		3.1	B8A	TT
6L34	412 314 600		6	1.5	250		10	9	150		7	B7G	T
6M6	026 540 310		6	6	250	250	36	9.5	100	PenLF	8	A08	P
6M7	026 510 310	G ₁	6	2.5	250	125	10.5	3.4	100	100	3.2	A08	P
6M7MG	026 510 310	G ₁	6	2.5	250	125	6	2	100	100	2	A08	P
6M8	137 546 280	G ₁	6	{ 1 3	100	0	0.5	1.1	100		1.1		
					100	100	8.5	1.9	100	100	1.9	A08	DTP
6NK7	026 510 310	G ₁	6	2	250	100	5	2.3	100	100	2.3	A08	P
6N4	412 361 400		6	3	175		12	6	150		6	B7G	T
6N7	027 446 310		6	5	250		3	1.6	100		1.6	A08	TT
6N8	541 236 891		6	2	250	90	5	2.2	100	90	2.2	B9A	DDP
6PX6	026 540 310		6	6	250	250	35	9.2	100	PenLF	8	A08	P
6PZ8	026 589 310	G ₁	6	6	250	250	36	9.2	100	PenLF	8	A08	DDP
6P5	026 040 310		6	13.5	250		5	1.45	100		1.4	A08	T
6P6	215 413 000	A	6	80	250	150	34		100	100		UX6	P
6P7	023 756 410	G ₁	6	{ 3 3	100	0	3.5	0.5	100		0.5		
					100	100	6.3	1.05	100	100	1.05	A08	TP
6P8	027 546 310	G ₁	6	{ — 2.4	100		2.2		100			A08	TH
					250	75	1.5		100	75			
6P25	026 540 310		6	8.5	250	250	40	8.8	100	PenLF	8	A08	P
6P26	026 540 310		6	8.5	250	250	40	8.8	100	PenLF	8	A08	P
6P28	020 540 310	A	6	8.8	100	250	72	9.5	100	PenLF	9	A08	P
6Q4	441 230 446		6	1.5	250		15		150			B9A	T
6Q6	026 080 310		6	3	250		1.2	1.05	150		1.05	A08	DT
6Q7	026 980 310	G ₁	6	3	250		1	1.2	150		1.2	A08	DDT
6R	026 510 310	G ₁	6	2	250	100			100	100		A08	P
6RV	026 510 310	G ₁	6	2	250	100	6.4	2.1	100	100	2.1	A08	P
6R4	401 230 060		6	2	150		30	5.5	100		5	B9A	T
6R6	026 500 310	G ₁	6	3	250	100	7	1.45	100	100	1.4	A08	P
6R7	026 980 310	G ₁	6	9	250		9.5	1.9	100		1.9	A08	DDT
6R8	8†1 239 146		6	9	250		9.5	1.9	100		1.9	B9A	DDDT
6SA7	126 641 310		6	3.6	100		12	4.3	100		4.5	A08	H
6SA7G	026 641 310		6	3.6	100		12	4.3	100		4.5	A08	H
6SB7Y	126 541 310		6	1	250	100	3.8		100	100		A08	H
6SC5	026 400 310		6	4	250		7.5	2.7	100		2.7	A08	T
6SC7	074 461 230		6	2	250		2	1.325	200		1.3	A08	TT
6SD7	021 415 360		6	2	250	100	6	3.6	100	100	3.6	A08	P
6SE7	021 415 360		6	1.5	250	100	4.5	3.4	100	100	3.4	A08	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
6SF5	014 060 320		6	2	250		0.9	1.5	200		1.5	A08	T
6SF7	041 586 230		6	1	250	100	12.4	2.05	100	100	2	A08	DP
6SG7	021 415 360		6	1	250	125	11.8	4.7	100	100	4.7	A08	P
6SH7	021 415 360		6	1	250	150	10.8	4.9	100	150	4.9	A08	P
6SJ7	021 415 360		6	3	250	100	3	1.65	100	100	1.6	A08	P
6SK7	021 415 360		6	3	250	100	9.2	2	100	100	2	A08	P
6SL7	461 471 230		6	2	250		2.3	1.6	150		1.6	A08	TT
6SN7	461 471 230		6	8	250		9	2.6	100		2.6	A08	TT
6SQ7	041 896 230		6	2	250		0.9	1.1	200		1.1	A08	DDT
6SR7	041 986 230		6	9	250		9.5	1.9	100		1.9	A08	DDT
6SS7	021 415 360		6	3	250	100	9	1.85	100	100	1.8	A08	P
6ST7	041 896 230		6	9	250		9.5	1.9	100		1.9	A08	DDT
6SU7	471 461 230		6	2	250		2.3	1.6	200		1.6	A08	TT
6SV7	041 586 230		6	1	250	150	7.5	3.4	100	150	3.4	A08	DP
6SZ7	041 986 230		6	3	250		1	1.2	200		1.2	A08	DDT
6S4	*1* 234 **6		6	8	250		26	4.5	100		4.5	B9A	T
6S6	120 600 350	G ₁	6	2	250	100	13	4	100	100	4	A08	P
6S7	026 510 310	G ₁	6	3	250	100	8.5	1.75	100	100	1.7	A08	P
6S8	†18 916 230	G ₁	6	2	250		0.9	1.1	200		1.1	A08	DDDT
6T	205 413 000	A ₁	6	12.5	250	250	4.5	4.1	100	PenLF	4	UX6	P
6TE8	427 546 310	G ₁	6	$\begin{cases} 2 \\ 2 \end{cases}$	$\begin{cases} 100 \\ 250 \end{cases}$	$\begin{cases} \\ 100 \end{cases}$	$\begin{cases} 3.7 \\ 3.5 \end{cases}$		$\begin{cases} 100 \\ 100 \end{cases}$	$\begin{cases} \\ 100 \end{cases}$		A08	TH
6TH8	027 546 310	G ₁	6	$\begin{cases} 1.5 \\ 1.5 \end{cases}$	$\begin{cases} 300 \\ 150 \end{cases}$	$\begin{cases} 75 \\ \\ \end{cases}$	$\begin{cases} 3.5 \\ 6 \end{cases}$		$\begin{cases} 100 \\ 150 \end{cases}$	$\begin{cases} 75 \\ \\ \end{cases}$		A08	TH
6TP	205 413 000	A ₁	6	14.5	250	250	72	6	100	PenLF	6	UX6	P
6T6	026 500 310	G ₁	6	1	250	100	10	5.5	100	100	5.5	A08	P
6T7	026 980 310	G ₁	6	3	250		1.2	1.05	150		1.05	A08	DDT
6T8	†91 238 146		6	3	250		1	1.2	150		1.2	B9A	DDDT
6U4	001 080 230		6				120		REC		30mA	A08	R
6U6	026 540 310		6	14	200	150	56	6.2	100	100	6.2	A08	P
6U7	026 510 310	G ₁	6	3	250	100	8	1.5	100	100	1.5	A08	P
6U8	645 237 114		6	$\begin{cases} 1 \\ 1 \end{cases}$	$\begin{cases} 150 \\ 250 \end{cases}$	$\begin{cases} 0 \\ 100 \end{cases}$	$\begin{cases} 18 \\ 10 \end{cases}$	$\begin{cases} 8.5 \\ 5.2 \end{cases}$	$\begin{cases} 100 \\ 150 \end{cases}$	$\begin{cases} 7 \\ 100 \end{cases}$	$\begin{cases} 7 \\ 5 \end{cases}$	$\begin{cases} B9A \\ \end{cases}$	$\begin{cases} TP \\ \end{cases}$
6V5	006 540 320		6	12.5	250	250	45	4.1	100	PenLF	4.1	A08	P
6V6	026 540 310		6	12.5	250	250	45	4.1	100	PenLF	4	A08	P
6V7	026 980 310	G ₁	6	20	250		8	1.1	100		1.1	A08	DDT
6W2	023 000 000	D ₁	6				5		D			B3G	R
6W3	**1 23* **8		6				120		REC		40mA	B9A	R
6W4	001 080 230		6				120		REC		30mA	A08	R
6W5	028 090 310		6				60		REC		20mA	A08	RR
6W6	026 540 310		6	9.5	150	150	58	9	100	100	8	A08	P
6W7	026 510 310	G ₁	6	3	250	100	2	1.225	100	100	1.2	A08	P
6X2	023 000 000	D ₁	6						D			B3G	D
6X3	020 000 310	D ₁	6				5		D			A08	R
6X4	802 309 100		6				30		REC		15mA	B7G	RR

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
6X5	028 090 310	D ₁	6	1 1-8	100 250	0 150	30		REC		15mA	A08	RR
6X8	146 231 457		6				8-5	5-8	100		5	B9A	TP
							7-7	4-6	100	150	4		
6Y3	020 000 300		6				30		REC		15mA	A08	R
6Y5	208 193 000		6				30		REC		15mA	UX6	RR
6Y6	026 540 310		6	13-5	150	150	58	7	100	100	7	A08	P
6Y7	027 446 310	D ₁	6	0	250		5-3		200			A08	TT
6ZY5	028 090 310		6				15		REC		15mA	A08	RR
6Z3	381 200 000		6				60		REC		20mA	UX4	R
6Z4	289 130 000		6				30		REC		15mA	UX5	RR
6Z5	328 192 000		6				30		REC		15mA	UX6	RR
6Z6	028 190 310		6				30		REC		15mA	A08	RR
6Z7	026 447 310	D ₁	6	0	175		4-2		175			A08	TT
7AB7	526 141 310		6	2	250	100	4	1-8	100	100	1-2	B8B	P
7AC7	412 365 100		6		300	150	10	9	100	100	8	B7G	P
7AD7	265 104 130		6	2-3	300	150	28	9-5	100	150	9	B8B	P
7AF7	217 446 130		6	9	250		9	2-1	100		2-1	B8B	TT
7AG7	265 114 130		6	2	250	250	6	4-2	200	200	4-2	B8B	P
7AH7	265 114 130	S	6	2	250	250	6-8	3-3	100	150	3-3	B8B	P
7AJ7	265 104 130		6	3	250	100	2-2	1-575	100	100	1-5	B8B	P
7AK7	265 104 130		6	0	150	90	40	6-5	150	90	6	B8B	P
7A2	642 310 000		4	16-5	250	250	34	2-35	100	PenLF	2-3	B5	P
7A2	045 231 600		4	16-5	250	250	34	2-35	100	PenLF	2-3	B7	P
7A3	045 231 600		4	6	250	250	32	10	100	PenLF	9	B7	P
7A4	260 0*4 130	S	6	8	250		9	2-6	100		2-6	B8B	T
7A5	265 004 130		6	9	125	125	44	6	100	90	6	B8B	P
7A6	219 008 130		6				5		D			B8B	RR
7A7	265 104 130		6	3	250	100	9-2	2	100	100	2	B8B	P
7A8	266 451 130		6	1	250	100	14	1-4	100	100	1-6	B8B	O
7B4	260 004 130		6	2	250		0-9	1-5	200		1-5	B8B	T
7B5	265 004 130	S	6	18	250	250	32	2-3	100	PenLF	2-3	B8B	P
7B6	246 *89 130		6	2	250		0-9	1-1	200		1-1	B8B	DDT
7B7	265 104 130		6	3	250	100	8-5	1-75	100	100	1-7	B8B	P
7B8	265 454 130		6	2	250	100		1-15	100	100	1-1	B8B	H
7C4	2*0 800 130		6				5		D			A08	R
7C5	265 004 130		6	12-5	250	250	45	4-1	100	PenLF	4-1	B8B	P
7C5LT	265 004 130	S	6	12-5	250	250	45	4-1	100	PenLF	4-1	B8B	P
7C6	264 198 130		6	1	250		1-3	1	250		1	B8B	DDT
7C7	265 114 130		6	3	250	100	2	1-3	100	100	1-3	B8B	P
7D3	045 231 600		40	18	150	125	33	2-4	100	100	2-4	B7	P
7D5	045 231 600		13	16-5	250	250	34	2-35	100	PenLF	2-3	B7	P
7D6	045 231 600		40	6	250	250	32	10	100	PenLF	9	B7	P
7D8	045 231 600	S	13	6	250	250	32	10	100	PenLF	9	B7	P
7D9	412 360 500		6	13-5	250	250	16	2-6	100	PenLF	2-6	B7G	P
7D9	045 231 600		13	25	250	250	32	1-8	100	PenLF	1-8	B7	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
7D10	*41 230 651		6	4.5	250	250	40	11	100	150	9	B9A	P
7E5	426 141 630		6	3	175		5.5	3	150		3	B8B	T
7E6	264 *98 130		6	8	250		9.5	1.9	100		1.9	B8B	DDT
7E7	269 854 130		6	3	250	100	7.5	1.3	100	100	1.3	B8B	DDP
7F7	217 446 130		6	2	250		2.3	1.6	200		1.6	B8B	TT
7F8	427 116 340		6	3	250		6	3.3	200		3.3	B8B	TT
7G7	265 114 130		6	2	250	100	6	4.5	100	100	4.5	B8B	P
7G8	265 441 730		6	2.5	250	100	4.5	2.1	100	100	2.1	B8B	PP
7H6	265 114 130		6	2.5	250	150	9.5	3.5	100	150	3.5	B8B	P
7H7	265 114 130		6	2	250	150	10	4.2	100	150	4.2	B8B	P
7J7	276 454 130		6	{ 3 3	150 250		6.6 1.4	1.4	150 100		1.4	B8B	TH
7K7	216 498 130		6	2	250		2.3	1.6	200		1.6	B8B	DDT
7L7	265 104 130		6	1.5	250	100	4.5	3.1	100	100	3.1	B8B	P
7N7	217 446 130		6	8	250		9	2.6	100		2.6	B8B	TT
7Q7	266 414 130		6	2	100		15	6	100		4.5	B8B	H
7R1	280 300 000		7.5				60		REC		20mA	UX4	R
7R7	269 854 130		6	1	250	100	6.2	3.4	100	100	3.4	B8B	DDP
7S7	276 454 130		6	{ 1 2	100 250		4.8 4	1.4 2	100 100		1.65	B8B	TH
7T7	265 104 130		6	1	250	150	10.8	4.9	100	150	4.9	B8B	P
7V7	265 114 130		6	2	300	150	10	5.8	100	150	5.8	B8B	P
7W7	265 114 130		6	2	300	150	10	5.8	100	150	5.8	B8B	P
7X6	218 009 130		6				30		REC		15mA	B8B	RR
7X7	264 189 130		6	1	250		1.9	1.5	250		1.5	B8B	DDT
7Y4	208 009 130		6				30		REC		15mA	B8B	RR
7Z4	209 008 130		6				60		REC		20mA	B8B	RR
8A1	041 231 500	A	4	1.5	200	75	3.5	4	100	75	4	B7	P
8A1	542 310 000	A	4	1.5	200	75	3.5	4	100	75	4	B5	P
8A2	542 310 000	A	4	2.1	200	100	3	2.4	100	100	2.4	B5	P
8D2	061 231 500	G ₁	13	3	250	100	2	1.25	100	100	1.25	B7	P
8D3	412 361 500		6	2	250	250	10	7.5	100	150	5	B7G	P
8D4	026 510 310	G ₁	6	2	250	100	3	1.8	100	100	1.8	A08	P
8D5	041 230 651		6	3	250	100	2	1.225	100	100	1.2	B9A	P
8D6	141 230 651		6										
8D7	001 230 651	G ₁	6	3	250	100	2	1.25	100	100	1.2	B9A	P
9A1	045 231 500	A	4	1.5	200	75	5	4.25	100	75	4.2	B7	P
9A1	542 310 000	A	4	1.5	200	75	5	4.25	100	75	4.2	B5	P
9A3	061 231 500	G ₁	4	2	250	125	10	1.8	100	100	1.8	B7	P
9BW6	*41 230 651		9	12.5	250	250	45	4.1	100	150	4	B9A	P
9D2	061 231 500	G ₁	13	3	250	125	10.5	1.65	100	100	1.8	B7	P
9D6	412 361 500		6	2.5	250	200	8	2.5	100	100	2.5	B7G	P
10	264 300 000		7.5	32	350		16	1.55	100		1.55	UX4	T
10C1	276 454 130		28	{ 3.3 2.5	100 175	100	6 8	3 2.5	100 100	100	3 2.5	B8A	TH

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
I0D1	892 310 000		13				5		D			B5	RR
I0F1	261 514 130		22	1.8	200	200	10	9	100	150	7	B8A	P
I0F3	260 154 130		22	2.35	200	200	6	6.5	100	150	7	B8A	P
I0F9	260 154 130		13	2.5	175	100	7	2.3	100	100	2.3	B8A	P
I0LD11	264 098 130		15	5.9	250		5	2.3	100		2.3	B8A	DDT
I0P13	26* *54 130		40	6.3	175	150	29	7.5	100	100	6	B8A	P
I0P14	026 540 310		40	11	200	200	40	7.4	100	PenLF	6	A08	P
11	362 400 000		1.1	4.5	90		2.5	0.425	80		0.4	UX4	T
11A2	908 231 600	G ₁	4	2	200		3	2.8	150		2.8	B7	DDT
11D3	908 231 600	G ₁	13	2	250		0.4	1.1	200		1.1	B7	DDT
11D5	908 231 600	G ₁	13	3	250		3.8	1.5	150		1.5	B7	DDT
11E1	216 540 030		6		250	250	50	7.3	100	100	7	M08	P
11E2	020 540 310	A	6		200	200	25	9	100	150	8	A08	P
11E8	200 647 310	G ₁	11		150		20		100			A08	TT
11X5	028 090 310		11				30		REC		15mA	A08	RR
12	364 200 000		1.1	4.5	90		2.5	0.425	80		0.4	UX4	T
12AH7	417 146 230		12.5	3.6	100		3.7	1.55	80		1.55	A08	TT
12AH8	541 227 463		6	1	100			3.6	100	100	3.6	B9A	TH
12AK7	741 226 413		6	2	250	100	3.6	1.6	150		1.6	B9A	TT
12AL5	192 310 800		12.5				5		D			B7G	RR
12AT6	412 389 600		12.5	3	250		1	1.2	200		1.2	B7G	DDT
12AT7	741 226 413		6	2	250		10	5.5	200		5	B9A	TT
12AU6	412 365 100		12.5	1	250	150	10.8	5.2	100	100	5.2	B7G	P
12AU7	741 226 413		6	8.5	250		10.5	2.2	100		2.2	B9A	TT
12AV6	412 389 600		12.5	2	250		1.2	1.6	150		1.6	B7G	DDT
12AV7	741 226 413		6	12	150		18	8.5	100		7	B9A	TT
12AW6	412 365 100		12.5	1.5	250	150	7	5	100	PenLF	5	B7G	P
12AW7	412 365 100		12.5	1.8	250	150	7	5	100	150	5	B7G	P
12AX4	001 080 230		12.5				120		REC		35mA	A08	R
12AX7	741 226 413		6	2	250		1.2	1.6	150		1.6	B9A	TT
12AY7	641 227 413		6	4	250		3	1.75	100		1.7	B9A	TT
12A	264 300 000		5	4.5	90		5	1.5	80		1.5	UX4	T
12A5	265 413 200		6	15	100	100	17	1.7	100	90	1.7	UX7	P
12A6	026 540 310		12.5	12.5	250	250	30	3	100	PenLF	3	A08	P
12A7	265 181 300	G ₁	12.5	12.5	150	150	30		REC		15mA		
							9	0.975	100	100	0.9	Sm7	RP
12A8	026 545 310	G ₁	12.5	2	250	100		1.15	100	100	1.1	A08	H
12BA6	412 365 100		12.5	1	250	100	11	4.4	100	100	4.4	B7G	P
12BA7	641 231 106		12.5	2	100		18	7	100		7	B9A	H
12BD6	412 365 100		12.5	3	250	100	9	2	100	100	2	B7G	P
12BE6	412 366 100		12.5	2	100		11	7	100		5	B7G	H
12BF6	412 398 600		12.5	9	250		9.5	1.9	100		1.9	B7G	DDT
12BH7	741 226 413		6	10.5	250		11.5	3.1	100		4	B9A	TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
12BK6	412 389 600		12-5	2	250		1-2	1-6	150		1-6	B7G	DDT
12BN6	142 354 600		12-5	1	60	60	0-25	1	80	60	1	B7G	P
12BT6	412 389 600		12-5	3	250		1-0	1-2	150		1-2	B7G	DDT
12BU6	412 389 600		12-5	9	250		9-5	1-9	150		1-9	B7G	DDT
12B6	026 080 310	G ₁	12-5	2	250		0-9	1-1	150		1-1	A08	DT
12B7	265 104 130		12-5	3	250	100	9-2	2	100	100	2	B8B	P
12B8	127 561 340	G ₁	12-5	0 3	90 90	0 90	2-8 7	2-4 1-8	80 80		2-4 1-8	A08	TP
12C8	026 985 310	G ₁	12-5	3	250	125	10	1-325	100	100	1-3	A08	DDP
12E1	020 540 310	A	6	18	150	150	100	9-6	100	100	10	A08	P
12E5	026 040 310		12-5	13-5	250		5	1-45	100		1-4	A08	T
12F5	020 600 310	G ₁	12-5	2	250		0-9	1-5	150		1-5	A08	T
12G7	026 980 310	G ₁	12-5	3	250			1-2	150		1-2	A08	DDT
12H6	029 180 310		12-5						D			A08	DD
12J5	026 040 310		12-5	8	250		9	2-6	100		2-6	A08	T
12J7	026 510 310	G ₁	12-5	3	250	100	2	1-225	100	100	1-2	A08	P
12K7	026 510 310	G ₁	12-5	3	250	125	10-5	1-65	100	100	1-6	A08	P
12K8	027 546 310	G ₁	12-5	1 3	100 250		8 4	2-5 1-2	100 100		3 1-6	A08	TH
12L8	414 752 360		12-5	9	175	175	13	2-15	100	100	2-1	A08	PP
12NK7	026 510 310	G ₁	12-5	2	250	100	5	2-3	100	100	2-3	A08	P
12Q7	026 980 310	G ₁	12-5	3	250		1	1-2	150		1-2	A08	DDT
12SA7	126 641 340		12-5	3-6	100		12	4-3	100		4-5	A08	H
12SA7G	026 641 340		12-5	3-6	100		12	4-3	100		4-5	A08	H
12SC7	074 461 230		12-5	2	250		2	1-325	150		1-3	A08	TT
12SF5	014 660 310		12-5	2	250		0-9	1-5	150		1-5	A08	T
12SF7	041 586 230		12-5	1	250	100	12-9	2-05	100	100	2	A08	DP
12SG7	021 415 360		12-5	1	250	125	11-8	4-7	100	100	4-7	A08	P
12SH7	021 415 360		12-5	1	250	150	10-8	4-9	100	150	4-9	A08	P
12SJ7	021 415 360		12-5	3	250	100	3	1-65	100	100	1-6	A08	P
12SK7	021 415 360		12-5	3	250	100	9-2	2	100	100	2	A08	P
12SL7	461 471 230		12-5	2	250		2-3	1-6	150		1-6	A08	TT
12SN7	461 471 230		12-5	8	250		9	2-6	100		2-6	A08	TT
12SQ7	041 896 230		12-5	2	250		0-9	1-1	150		1-1	A08	DDT
12SR7	041 986 230		12-5	9	250		9-5	1-9	100		1-9	A08	DDT
12SS7	021 415 360		12-5	3	250	100	9	1-85	100	100	1-8	A08	P
12SV7	041 986 230		12-5	9	250		9-5	1-9	100		1-9	A08	DDT
12SX7	471 461 230		12-5	8	250		9	2-6	100		2-6	A08	TT
12SY7	126 641 340		12-5	1	100		22	4-5	100		4-5	A08	H
12S8	118 916 230	G ₁	12-5	2	250		0-9	1-1	150		1-1	A08	DDDT
12X3	210 300 000	D ₁	12-5				60		REC		20mA	UX4	R
12Z3	281 300 000		12-5				60		REC		20mA	UX4	R

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
I2Z5	281 319 200		6				30		REC		15mA	UX7	RR
I3	298 300 000		5				60		REC		20mA	UX4	RR
I3BCIU	206 081 930	G ₁	12-5	1-8	200		3	2	150		2	B8B	DDT
I3BF2U	206 581 930	G ₁	12-5	2-1	200	200	5	2	100	200	2	B8B	DDP
I3DHA	908 231 600	G ₁	13	1-5	250		1	1-5	150		1-5	B7	DDT
I3D2	461 471 230		6	8	250		9	2-6	100		2-6	A08	TT
I3D3	741 226 413		6	4-6	250		6	2-3	100		2-3	B9A	TT
I3F9U	206 501 130	G ₁	12-5	2-6	200	200	6-2	2-2	100	200	2-2	B8B	P
I3H1	023 110 560	G ₁	13	2	200	100	3	2	100	100	2	8SC	P
I3H2	023 110 560	G ₁	13	3	200	100	8-2	1-8	100	100	1-8	8SC	P
I3PGA	645 231 700	G ₁	13	{ 20 3	200		4		100				
					250	100	3-5		100	100		B7	H
I3SPA	061 231 500	G ₁	13	3	200	100	2-3	1-25	100	100	1-25	B7	P
I3V1	023 189 560	G ₁	13	8-5	200	200	45	4-4	100	PenLF	4	8SC	DDP
I3VPA	041 231 500	A	13	3	200	100	7	1-8	100	100	1-8	B7	P
I3VPA	061 231 500	G ₁	13	3	200	100	7	1-8	100	100	1-8	B7	P
I4	265 130 000	G ₁	14	3	250	90	4	1-05	100	90	1	UX5	P
I4AF7	216 447 130		12-5	9	250		9	2-1	100		2-1	B8B	TT
I4A4	260 0*4 130		12-5	8	250		9	2-6	100		2-6	B8B	T
I4A5	265 004 130		12-5	12-5	250	250	30	3	100	PenLF	3	B8B	P
I4A7	265 104 130		12-5	3	250	100	9-2	2	100	100	2	B8B	P
I4B6	264 *89 130		12-5	2	250		0-9	1-1	150		1-1	B8B	DDT
I4B8	265 454 130		12-5	2	250	100		1-15	100	100	1-1	B8B	P
I4C5	265 004 130		12-5	15	250	250	70		100	PenLF		B8B	P
I4C7	265 114 130		12-5	3	250	100	2-2	1-575	100	100	1-5	B8B	P
I4E6	264 *98 130		12-5	8	250		9-2	1-9	100		1-9	B8B	DDT
I4E7	269 854 130		12-5	3	250	100	7-5	1-3	100	100	1-3	B8B	DDP
I4F6	026 540 310		14	16-5	250	250	35	2-5	100	150	2-5	A08	P
I4F7	217 446 130		12-5	2	250		2-3	1-6	150		1-6	B8B	TT
I4F8	427 116 340		12-5	3	250		6	3-3	150		3-3	B8B	TT
I4H7	265 114 130		12-5	2	250	150	10	4-2	100	100	4-2	B8B	P
I4J7	276 454 130		12-5	{ 3 3	150		6-6	1-4	100		1-4	B8B	TH
					250	100	1-4		100	100			
I4N7	217 446 130		12-5	8	250		9	2-6	100		2-6	B8B	TT
I4Q7	266 414 130		12-5	2	100		15	6	100		4-5	B8B	H
I4R7	269 854 130		12-5	1	250	100	6-2	3-4	100	100	3-4	B8B	DDP
I4S7	276 454 130		12-5	{ 1 2	100		4-8	1-4	100		1-6	B8B	TH
					250	100	4	2	100	100			
I4V7	265 104 130		12-5	2	300	150	9-6	5-8	100	100	5-8	B8B	P
I4W7	265 114 130		12-5	2-2	300	150	10	5-8	100	100	5-8	B8B	P
I4X7	264 189 130		12-5	1	250		1-9	1-5	150		1-5	B8B	DDT
I4Y4	208 009 130		12-5				30		REC		15mA	B8B	RR
I4Z3	281 300 000		12-5				60		REC		20mA	UX4	R
I5	265 130 000	G ₁	2	1-5	150	75	1-85	0-75	100	75	0-75	UX5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
15A2	645 231 700	G ₁	4	{ 20 3	200 250	100	4 3-5		100 100			B7	H
15A6	541 231 600		15	2-9	175	175	36	10	100	100	9	B9A	P
15D1	645 231 700	G ₁	13	{ 20 3	200 250	100	4 3-5		100 100	100		B7	H
15D2	645 231 700	G ₁	13	{ 20 3	200 250	100	4 3-5		100 100	100		B7	H
15X6	029 180 310		25				30		REC		15mA	A08	RR
16A5	*41 23* 6*5		16	14-2	200	200	45	8-2	100	100	7	B9A	P
16D1	046 231 700		13		300		45		100			B7	TT
17	264 130 000		14	6	90		2-7	0-8	80		0-8	UX5	T
17D1	869 231 500	G ₁	13	3	250	125	9	1-1	100	100	1-1	B7	DDP
18	265 413 000		14	16-5	250	250	34	2-5	100	PenLF	2-5	UX6	P
19AQ5	412 365 400		19	12-5	250	250	47	4-1	100	150	4	B7G	P
19BG6	021 040 350	A	19	15	400	250	70	6	100	PenLF	6	A08	P
19C8	8†1 239 146		19	1	100		0-5	1-25	100		1-2	B9A	DDDT
19G3	020 000 300	D ₁	4				30		REC		17mA	A08	R
19G6	112 311 100	D ₁	4				30		REC		15mA	B7G	R
19H1	002 300 000	D ₁	4				60		REC		23mA	B4	R
19H4	020 000 300	D ₁	2-5				30		REC		13mA	A08	R
19J6	762 344 100		19	1	100		8-5	5-3	100		5-3	B7G	TT
19T8	†91 238 146		19	3	250		1	1-2	150		1-2	B9A	DDDT
19W3	**1 23* *08		19				120		REC		35 mA	B9A	R
19X8	146 231 457		19	{ 1 1-8	100 250	0 150	8-5 7-7	5-8 4-6	100 100		5 4	B9A	TP
19Y3	**1 23* **8		19				120		REC		40 mA	B9A	R
19	364 472 000		2	3	150		1-7		100			UX6	TT
20	364 200 000		3	16-5	90		3	0-415	80		0-4	UX4	T
20A1	645 231 700	G ₁	4	{ 12-5 1-5	100 250	75	2-3 2-2		100 100	75		B7	TH
20D1	182 310 900		9-5				5		D			B7G	RR
20D2	745 231 600	G ₁	13	{ 7-5 3	100 250	100	3-8 2-5		100 100	100		B7	TH
20D3	541 227 463		6	{ 0 3	100 250	100		3-6	100 100		3-6	B9A	TH
20F2	260 154 130		11	1-25	150	150		10-6	100	100	9	B8A	P
20J8	027 546 310	G ₁	20	{ 1-5 3	100 250	100	1-5 1-5		100 100	100		A08	H
20L1	274 164 130		12-5	8-6	200		10	2-8	100		2-8	B8A	TT
20P1	020 540 310	A	38	30	200	200	80	6	100	100	5	A08	P
20P2	020 540 310	A	38	7-5	225	225		13-5	100	100	10	A08	P
20P3	026 540 310		20	11-5	250	250	51	7-2	100	100	6	A08	P
21A6	*41 23* *51	A	21-5	21	175	175	45	6-5	100	100	5	B9A	P
21A7	276 454 130		21	{ 3	150 250		3-5 1-3		100 100			B8B	TH
22	365 200 000	G ₁	3	1-5	150	50	1-7	0-375	No Data Available			UX4	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
22AC	265 300 000	G ₁	2.5	3	90	90	4	1.05	80	90	1	UX4	P
24A	265 130 000	G ₁	2.5	3	175	90	4	1	100	90	1	UX5	P
24E	265 130 000	G ₁	2.5	3	175	90	4	1	100	90	1	UX5	P
24NG	281 193 000		40				30		REC		15mA	UX6	RR
24S	265 130 000	G ₁	2.5	3	175	90	4	1	100	90	1	UX5	P
25	542 300 000	A	2		150	75	2.5	1	100	75	1	B5	P
25AC1D	206 008 030	G ₁	1.4	0	125		0.76	0.4	100		0.4	A08	DT
25AC5	026 040 310		25		125		45	3.8	100		3.8	A08	T
25AV5	421 060 350		25	22.5	250	150	55	5.8	100	100	5.8	A08	P
25A6	026 540 310		25	18	150	125	33	2.375	100	100	2.3	A08	P
25A7	126 548 310		25	{ 15	100	100	60		REC		20mA	A08	RP
25BK5	604 231 450		25	5	250	250	35	8.5	100	150	8	B9A	P
25BQ6	020 540 310	A	25	22.5	250	150	55	5.5	100	100	5	A08	P
25B6	026 540 310		25	22	150	150	61	5	100	100	5	A08	P
25B8	127 561 340	G ₁	25	{ 1	100		0.6	1.5	100		1.5	A08	TP
				3	100	100	7.6	2	100	100	2		
25C6	026 540 310		25	14	200	150	61	7.1	100	100	7	A08	P
25D8	127 546 380	G ₁	25	{ 1	100	0	0.5	1.1	100		1.1		
				3	100	100	8.5	1.9	100	100	1.9	A08	DTP
25F1D	206 501 030	G ₁	1.4	2.5	125	125	1.2	0.72	100	100	0.7	A08	P
25L6	026 540 310		25	8.25	200	125	46	8	100	90	8	A08	P
25RE	281 193 000		25				30		REC		15mA	UX6	RR
25SN7	461 471 230		25	8	250		9	2.6	100		2.5	A08	TT
25S	268 943 000		2	3	150		0.8	0.57	100		0.57	UX6	DDT
25U4	001 080 230		25				120		REC		30 mA	A08	R
25V5	028 190 310		25				60		REC		20mA	A08	RR
25W4	001 080 230		25				120		REC		30 mA	A08	R
25W9	001 080 230		25				120		REC		30mA	A08	R
25X4	020 080 310		25				120		REC		30mA	A08	R
25X5	020 080 310		25				120		REC		30mA	A08	R
25X6	028 190 310		25				30		REC		15mA	A08	RR
25Y4	020 080 310		25				60		REC		20mA	A08	R
25Y5	281 193 000		25				60		REC		20mA	UX6	RR
25Y5G	028 190 310		25				60		REC		20mA	A08	RR
25Y6	028 190 310		25				30		REC		15mA	A08	RR
25Z3	281 300 000		25				60		REC		20mA	UX4	R
25Z4	028 080 310		25				120		REC		30mA	A08	R
25Z5	291 183 000		25				60		REC		20mA	UX6	RR
25Z6	029 180 310		25				60		REC		20mA	A08	RR
26	264 300 000		1.5	10	150		5.5	1.1	100		1.1	UX4	T
26A6	412 365 100		26	1.8	250	250	10.5	4	100	100	4	B7G	P
26A7	414 752 360		26	4.5	30	30	20	5.5	No Data Available			A08	PP
26B6	026 540 310		35	18	250	125	33	2.375	100	90	2.3	A08	P
26BK6	412 389 600		26	2	250		1.2	1.6	150		1.6	B7G	DDT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
26C6	412 398 600		26	9	250		9.5	1.9	100		1.9	B7G	DDT
26D6	412 365 100		26	0	100	100	2.7	7.2	100	100	6	B7G	H
26NG	281 193 000		40				30		REC		15mA	UX6	RR
27	264 130 000		2.5	21	250		5.2	0.95	100		0.95	UX5	T
27S	264 130 000		2.5	21	250		5.2	0.95	100		0.95	UX5	T
27SU	320 080 210		13				120		REC		30mA	A08	R
28D7	245 671 430		28	3.5	30	30	12.5	3.4	No Data Available			B8B	PP
28Z5	208 009 130		28				60		REC		20mA	B8B	RR
29	264 413 000		2.5	3	175		4.5	1.45	100		1.4	UX6	T
29CI	220 283 330		4						D			A08	D
30	364 200 000		2	9	150		3	0.9	100		0.9	UX4	T
31	364 200 000		2	22.5	150		8	0.925	100		0.9	UX4	T
32	365 200 000	G ₁	2	3	150	75	1.7	0.64	100	75	0.6	UX4	P
32E	365 200 000	G ₁	2	3	150	75	1.7	0.64	100	75	0.6	UX4	P
32L7	126 548 310		32.5	{ 5	90	90	60 38		REC 80		20mA 6	A08	RP
33	364 520 000		2		150	150	14.5	1.45	100	100	1.4	UX5	P
33A/138A	204 140 300	A ₁ A ₂	6	7	250		15	3	100		3	UX7	TT
33A/158M	216 447 130		6	5	200		20	2.8	100		2.8	B8B	TT
34	365 200 000	G ₁	2	3	150	75	2.8	0.6	100	75	0.6	UX4	P
34E	365 200 000	G ₁	2	3	150	75	2.8	0.6	100	75	0.6	UX4	P
35	265 130 000	G ₁	2.5	3	250	90	6.5	1.05	100	75	1.05	UX5	P
35A5	265 004 130		35	8	200	100	41	5.9	100	90	5.9	B8B	P
35B5	412 365 400		35	7.5	125	100	40	5.8	100	90	5.8	B7G	P
35C5	142 345 600		35	7.5	125	100	40	5.8	100	90	5.8	B7G	P
35L6	026 540 310		35	7.5	200	100	40	5.8	100	90	5.8	A08	P
35RE	281 193 000		35				60		REC		20mA	UX6	RR
35S	265 130 000	G ₁	2.5	3	250	90	6.5	1.08	100	90	1.08	UX5	P
35VV4	003 282 100		30				60		REC		20mA	B7G	R
35Y4	280 200 130		27.5				60		REC		20mA	B8B	R
35Y5	280 200 130		27.5				60		REC		20mA	B8B	R
35Z3	280 000 130		35				120		REC		20mA	B8B	R
35Z3LT	280 000 130		35				120		REC		30mA	B8B	R
35Z4	020 080 310		35				120		REC		30mA	A08	R
35Z4GT	020 080 310		35				120		REC		30mA	A08	R
35Z5	022 080 310		27.5				60		REC		20mA	A08	R
35Z6	028 190 310		35				60		REC		20mA	A08	RR
36	265 130 000	G ₁	6	3	250	90	3.2	1.08	100	90	1.08	UX5	P
37	264 130 000		6	18	250		7.5	1.1	100		1.1	UX5	T
38	265 130 000	G ₁	6	18	175	175	14	1.05	100	100	1.05	UX5	P
39	265 130 000	G ₁	6	3	175	90	5.8	1	100	90	1	UX5	P
40	364 200 000		5	1.5	175		0.2	0.2	150		0.2	UX4	T
40PPA	045 231 600		40	25	150	150	36	4	100	100	4	B7	P
40SUA	802 310 000		40				60		REC		20mA	B5	R
40Z5	022 080 310		35				120		REC		30mA	A08	R
41	265 413 000		6	18	250	250	32	23	100	100	2.3	UX6	

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
41E	265 413 000		6	18	250	250	32	2.3	100	100	2.3	UX6	P
41FP	642 310 000		4	18	250		19	2.8	100		2.8	B5	T
41M	026 540 310		6	18	250	250	32	2.3	100	PenLF	2.3	A08	P
41MDG	652 310 000	G ₁	4	0	150	100		0.25	150	100	0.25	B5	P
41MH	642 310 000		4	1.5	200		3.2	4	150		4	B5	T
41MHF	642 310 000		4	2	150		2.5	2.8	125		2.8	B5	T
41MHL	642 310 000		4	3	200		4	4.5	150		4.5	B5	T
41MLF	642 310 000		4	4.5	175		7.5	1.9	125		1.9	B5	T
41MP	642 310 000		4	7.5	200		24	7.5	100		7	B5	T
41MPG	545 231 600	G ₁	4	1.5	250	100	3.3		100	100		B7	H
41MPT	041 231 500	A	4	1.5	250	100	12	4.8	100	100	4.8	B7	P
41MRC	642 310 000		4	1	200		2.5	2.6	150		2.6	B5	T
41MSG	465 230 574		4	1.5	125	60	0.8	2.5	100	60	2.5	B9	PP
41MTA	642 310 000		4	1	100		4.9	4	100		4	B5	T
41MTB	642 310 000		4	1	100		3.6	2.6	100		2.6	B5	T
41MTL	642 310 000		4	2.5	200		5.9	3	100		3	B5	T
41MTS	645 231 700		4	1	250	100	5	1.6	100	100	1.6	B7	PP
41MVSG	542 310 000	A	4	1.5	200	100	3	2	100	100	2	B5	P
41MXP	642 310 000		4	12.5	200		40	7.5	100		7	B5	T
41STH	645 231 700	G ₁	4	1.5	100		2		100				
				1.5	200	60	1		100	60		B7	TH
42	265 413 000		6	16.5	250	250	34	2.5	100	PenLF	2.5	UX6	P
42E	265 413 000		6	16.5	250	250	34	2.5	100	PenLF	2.5	UX6	P
42MP/Pen	045 231 600		4	5.5	250	250	32	7	100	PenLF	7	B7	P
42MPT	041 231 500	A	4	3	200	200	34	8.5	100	PenLF	8	B7	P
42/OT	045 231 600		4	5.5	250	275	34	7	100	PenLF	7	B7	P
42/OTDD	968 231 500	G ₁	4	5.5	250	250	34	7	100	PenLF	7	B7	DDP
42PTB	061 231 500	G ₁	4	3	200	200	34	8.5	100	150	8	B7	P
42SPT	041 231 500	A	4	10.5	250	250	64	11	100	PenLF	10	B7	P
43	265 413 000		25	18	150	125	33	2.375	100	100	2.3	UX6	P
43E	265 413 000		25	18	150	125	33	2.375	100	100	2.3	UX6	P
43MG	026 540 310		25	18	250	125	33	2.375	100	100	2.3	A08	P
43IU	892 300 000		4				60		REC		20mA	B4	RR
44	265 130 000		6	3	175	90	5.8	1	100	90	1	UX5	P
44A/160M	241 657 143		6	30	250	200	30	3.9	100	100	3	B9G	PP
44IU	892 300 000		4				60		REC		20mA	B4	RR
44SU	802 300 000		4				30		REC		15mA	B4	R
45	264 300 000		2.5	50	250		34	2.175	100		2.1	UX4	T
45A	264 300 000		2.5	68	325		43	2.37	100		2.37	UX4	T
45IU	892 300 000		4				120		REC		30mA	B4	RR
45LIU	206 540 130		45	13	200	200	45	7.5	100	100	7	A08	P
45Z3	28* 108 300		45				60		REC		20mA	B7G	R
45Z5	022 080 310		37.5				60		REC		20mA	A08	R
46	264 430 000		2.5	33	250		22	2.35	100		2.3	UX5	T
47	264 530 000		2.5	16.5	250	250	31	2.5	100	PenLF	3.8	UX5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
48	265 413 000		30	19	100	100	52	3.8	100	90	3.8	UX6	P
49	264 630 000		2	20	125		6	1.125	100		1.1	UX5	T
50	264 300 000		7.5	70	400		55	2.1	100		2.1	UX4	T
50A5	265 004 130		50	7.5	125	100	49	8	100	90	7	B8B	P
50AX6	028 190 310		50				120		REC		30mA	A08	RR
50BC1D	206 089 030	G ₁	1.4	1.5	100		1.5	0.92	100		0.92	A08	DDT
50B5	412 365 400		50	7.5	125	100	49	7.5	100	90	6	B7G	P
50CD6	021 040 350	A	52	30	175	175		7.5	100	100	7	A08	P
50C5	142 345 600		50	7.5	125	100	49	7.5	100	90	6	B7G	P
50C6	026 540 310		50	13.5	150	150	58	7	100	100	7	A08	P
50F2D	206 501 030	G ₁	1.4	1.5	100	125	1.4	1	100	100	1	A08	P
50L1D	206 540 030		1.4	4.5	100	125	4.8	1	100	100	1	A08	P
50L6	026 540 310		50	8.25	200	125	46	8	100	75	8	A08	P
50X6	219 008 130		50				60		REC		20mA	B8B	RR
50Y1U	388 208 120		45				120		REC		30mA	A08	R
50Y6	029 180 310		50				60		REC		20mA	A08	RR
50Y7	028 193 310		46				60		REC		20mA	A08	RR
50Z6	029 180 310		50				120		REC		30mA	A08	RR
50Z7	029 183 310		48				60		REC		20mA	A08	RR
52	264 530 000		6	1	125	100	41	2	125	100	2	UX5	P
52CD6	021 040 350	A	52									A08	P
52KU	030 908 020		5				60		REC		20mA	A08	RR
53	274 146 300		2.5	5	250		6	3.1	100		3.1	UX7	TT
53KU	030 908 020		5				120		REC		30mA	A08	RR
54KU	030 908 020		5				120		REC		30mA	A08	RR
55	269 813 000	G ₁	2.5	20	250		8	1.1	100		1.1	UX6	DDT
56	264 130 000		2.5	13.5	250		5	1.45	100		1.45	UX5	T
56AS	264 130 000		6	13.5	250		5	1.45	100		1.45	UX5	T
57	265 113 000	G ₁	2.5	3	250	100	2	1.225	100	100	1.2	UX6	P
57AS	265 113 000	G ₁	6	3	250	100	2	1.22	100	100	1.2	UX6	P
58	265 113 000	G ₁	2.5	3	250	100	8	1.5	100	100	1.5	UX6	P
58AS	265 113 000	G ₁	6	3	250	100	8	1.5	100	100	1.5	UX6	P
59	265 411 300		2.5	18	250	250	35	2.5	100	PenLF	2.5	UX7	P
59B	265 410 300		2.5	26	250	250	26	6	100	PenLF	6	UX7	P
60/250	892 300 000		4				30		REC		15mA	B4	RR
61BT	020 540 310	A	6	20	200	200	40	4	100	100	4	A08	P
61SPT	520 604 310		6	10.5	250	250	64	11	100	PenLF	9	A08	P
61SPT	021 540 310	A	6	10.5	250	250	64	11	100	PenLF	9	A08	P
62BT	020 540 310	A	6	18	175	175	100	10	100	100	9	A08	P
62DDT	264 098 130		6	3	250		1.0	1.3	150		1.3	B8A	DDT
62TH	027 546 310	G ₁	6	2	100		6.8	2.6	100		2.6	B8A	TH
				2	150	100	9	3.5	100	100	3.5		
62VP	261 154 130		6	17	250	100	6	2.2	100	100	2	B8A	P
63SPT	256 101 403		6	2	250	250	10	6.5	100	PenLF	6	B9G	P
64	265 130 000	G ₁	6	3	175	90	3.1	1.05	100	90	1.05	UX5	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
65	265 130 000	G ₁	6	3	175	90	4.5	1	100	90	1	UX5	P
66KU	280 009 130		6				30		REC		15mA	B8A	RR
67	264 130 000		6	9	150		5	1.1	100		1.1	UX5	T
67PT	261 054 130		6	7	250	250	36	10	100	150	9	B8A	P
68	265 130 000	G ₁	6	13.5	150	90	14	1.4	100	75	1.4	UX5	P
69	264 413 000		6	3	175		4.5	1.45	150		0.5	UX6	T
70	264 413 000		6	6	175		2.3	0.5	150		0.5	UX6	T
70A7	126 548 310		70	7.5	125	100	40	5.8	100	90	5.8	A08	RP
70L7	126 541 380	G ₁	70	{ 7.5	125	100	60		REC	90	20mA	A08	RP
71	264 300 000		5				40	7.5	100		6.5		
71A	264 300 000		5	40	175		20	1.7	100		1.7	UX4	T
71B	264 300 000		5	40	175		20	1.7	100		1.7	UX4	T
72	307 200 000	D ₁	2.5				30		REC		15mA	UX4	R
73	*2* 0** 3*0	D ₁	2.5				15		REC		10mA	A08	R
75	269 813 000	G ₁	6	2	250		0.9	1.1	150		1.1	UX6	DDT
76	264 130 000	G ₁	6	13.5	250		5	1.45	100		1.4	UX5	T
77	265 113 000		6	3	250	100	2.3	1.25	100	100	1.2	UX6	P
77E	265 113 000		6	3	250	100	2.3	1.25	100	100	1.2	UX6	P
78	265 113 000		6	3	250	125	10.5	1.65	100	100	1.6	UX6	P
78E	265 113 000	G ₁	6	3	175	75	4	1.1	100	75	1.1	UX6	P
79	274 163 000	G ₁	6	0	250		5.3	1.8	150		1.8	UX6	TT
80	298 300 000		5				60		REC		20mA	UX4	RR
80M	289 300 000		5				60		REC		20mA	UX4	RR
81	280 300 000		7.5				60		REC		20mA	UX4	R
82	289 300 000	G ₁	2.5				60		REC		20mA	UX4	RR
82V	389 200 000		2.5				60		REC		20mA	UX4	RR
83	289 300 000		5				120		REC		30mA	UX4	RR
83V	398 200 000		5				60		REC		20mA	UX4	RR
84	289 130 000	G ₁	6				30		REC		15mA	UX5	RR
85	269 813 000		6	20	250		8	1.1	100		1.1	UX6	DDT
85AS	268 913 000		6	20	250		8	1.1	100		1.1	UX6	DDT
88	289 300 000		5				60		REC		20mA	UX4	RR
89	265 113 000	G ₁	6	10	100	100	9.5	1.2	100	90	1.2	UX6	P
90	264 413 000		2.5	0	150		3.5	1.4	150		1.4	UX6	T
90AC	642 310 000		4	12.5	200		40	7.5	100		7	B5	T
92	264 413 000		6	0	250		3.5	1.4	100		1.4	UX6	T
95	265 413 000	G ₁	2.5	20	325	300	42	2.3	100	PenLF	2.3	UX6	P
96	281 300 000		10				120		REC		30mA	UX4	R
98	289 130 000		6				30		REC		15mA	UX5	RR
100AC	642 310 000		4	6	200		5	2	100		2	B5	T
104V	642 310 000	A ₁ G ₁	4	1	100		15	3.5	100		3.5	B5	T
112A	364 200 000		5	4.5	90		5	1.575	80		1.5	UX4	T
114B	020 000 300		1.4	4.0	175			1.1	100		1.1	A08	T
116/Pen	005 231 600		11.5	1	100	100		7	100	100	6	B7	P

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
117L7	126 458 310		117	{ 5-2	100	100	60		REC		20mA	A08	RP
117M7	126 458 310		117		100	100	43	5-3	100	90	5-3	A08	RP
117Z3	*02 381 000		117				60		REC		20mA	B7G	R
117Z4	020 080 310		117				60		REC		20mA	A08	R
117Z6	029 180 310		117				60		REC		20mA	A08	RR
120	642 310 000		2	12	150		12		100			B5	T
124AC	542 310 000	A	4	1-4	200	60	1-6	0-9	100	60	0-9	B5	P
142BT	026 540 310		14	8-5	200	200	29	3-7	100	100	3-7	A08	P
144V	642 310 000		4	8	200		6	1-4	100		1-4	B5	T
154V	642 310 000		4	6	200		9	2	100		2	B5	T
164V	642 310 000		4	9	200		12	3-4	100		3-4	B5	T
181	264 300 000		3	30	175		16	1-05	100		1-05	UX4	T
182A	264 300 000		5	45	200		18	1-5	100		1-5	UX4	T
182B	264 300 000		5	35	250		18	1-5	100		1-5	UX4	T
183	264 300 000		5	60	250		30	1-7	100		1-7	UX4	T
185BT	020 540 310	A	18	18	175	175	100	9-5	100	100	8	A08	P
200A	264 300 000		5	0	50		1-5	0-67	No Data Available			UX4	T
202DDT	809 231 600	G ₁	20	3	200		3	2-4	150		2-4	B7	DDT
202MPG	545 231 600	G ₁	20	1-5	200	100	3-0		100	100		B7	H
202SPB	061 231 500	G ₁	20	1-5	250	100	4-8	2-8	100	100	2-8	B7	P
202STH	545 231 600	G ₁	20	1-5	250	100	4		100	100		B7	TH
202VP	041 231 500	A	20	1-5	250	100	4-3	2-2	100	100	2-2	B7	P
202VPB	061 231 500	G ₁	20	1-5	250	100	4-3	2-2	100	100	2-2	B7	P
203THA	545 231 600	G ₁	20	2	250	100	3-5		100	100		B7	H
210DDT	682 390 000	G ₁	2	1	100		2-3	1-1	100		1-1	B5	DDT
210DET	642 300 000		2	4-5	150		3	1-1	100		1-1	B4	T
210HF	642 300 000		2	3	150		1-6	1-5	100		1-5	B4	T
210HL	642 300 000		2	3	150		1-6	1-1	100		1-1	B4	T
210LF	642 300 000		2	4-5	150		4-8	1-4	100		1-4	B4	T
210PG	645 230 700	G ₁	2	{ 0	150		1-1		No Data Available			B7	H
					150	40	0-4						
210RC	642 300 000		2	1-5	150		0-85	0-8	150		0-8	B4	T
210SPG	645 230 700	G ₁	2	{ 0	150		1-1		No Data Available			B7	H
					150	40	0-4						
210SPT	041 230 500	A	2	1	150	60	2-9	1-3	150	60	1-3	B7	P
210T	264 300 000		7-5	32	350		16	1-55	100		1-55	UX4	T
210VPA	041 230 500	A	2	1	150	60	2-9	1-1	150	60	1-1	B7	P
210VPT	041 230 500	A	2	1	150	60	2-9	1-1	150	60	1-1	B7	P
215P	642 300 000		2	7-5	150		10	2-25	100		2-2	B4	T
215SG	542 300 000	A	2	1	150	60	2-5	1-1	150	60	1-1	B4	P
217A	228 300 000		10				120		REC		30mA	UX4	R
220B	446 230 700		2	1	125		6		125			B7	TT
220DD	892 310 000		2						D			B5	DD

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE	
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V			
220HPT	642 350 000	A	2	4.5	150	150	8	2.5	100	100	2.5	B5	P	
220IPT	040 230 500		2	1.5	125	60	2.2	1	100	60	1	B7	P	
2200T	642 350 000		2	4.5	150	150	9.5	2.5	100	100	2.5	B5	P	
220P	642 300 000		2	7.5	150		11	2.25	100		2.2	B4	T	
220PA	642 300 000		2	4.5	150		10	4	100		4	B4	T	
220PT	642 350 000	A	2	9	150	150	19	2.5	100	100	2.5	B5	P	
220SG	542 300 000		2	1	150	60	3.1	1.6	100	60	1.6	B4	P	
220TH	645 230 700		2	{ 3 0	100		1.7	1.2	100		1.2	B7	TH	
					125	60	0.6	0.6	125	60	0.6			
220VS	542 300 000		A	2	1	150	60	3.6	1.6	100	60	1.6	B4	P
220VSG	542 300 000	A	2	1	150	60	5	1.6	100	60	1.6	B4	P	
225DU	082 323 900		2				15		REC		10mA	B7	RR	
230	642 300 000		2	20	150		18	3	100		3	B4	T	
230PT	642 350 000		2	15	150	150	14	2	100	100	2	B5	P	
230XP	642 300 000		2	18	150		22	3	100		2	B4	T	
240B	446 230 700		2	1	125		8.5		100			B7	TT	
240QP	446 235 700		2	12	150	150	6		100	100		B7	PP	
244	264 130 000		2	6	150		5.5	1	100		1	UX5	T	
244V	642 310 000		4	5.5	200		5.5	2.8	100		2.8	B5	T	
245A	265 130 000	G ₁	2	1.5	150	50	4.8	0.75	No Data Available			UX5	P	
247A	206 040 030		2	4.5	150		3.2	0.94	100		0.94	A08	T	
249B	223 300 000	D ₁	2.5				120		REC		30mA	UX4	R	
252A	264 300 000		5	50	400		60	3.4	100		3.4	UX4	T	
255	268 943 000		2	3	150		0.8	0.57	100		0.5	UX6	DDT	
257	264 530 000		5	21.5	125	100	20	1.35	100	90	1.3	UX5	P	
259A	265 130 000		G ₁	2	1.5	175	75	5.5	1.38	100	75	1.3	UX5	P
259B	265 130 000	G ₁	2	1.5	175	75	5.5	1.38	100	75	1.3	UX5	P	
262B	261 300 000	G ₁	10	4.5	150		2.8	0.9	100		0.9	UX4	T	
264	264 300 000		1.1	9	150		2.5	0.64	100		0.64	UX4	T	
271A	264 130 000		5	30	400		37.5	2.9	100		2.9	UX5	T	
272A	264 130 000		10	15	150		5.4	0.76	100		0.76	UX5	T	
274A	289 300 000		5				60		REC		20mA	UX4	RR	
275A	264 300 000		5	4.5	200		47	2.7	100		2.7	UX4	T	
281A	264 530 000		5	60	150	75	35	1.47	No Data Available			UX5	P	
283A	265 130 000	G ₁	2	1.5	175	75	5.9	1.36	100	75	1.36	UX5	P	
285	265 130 000	G ₁	2	12	175	150	8.8	0.88	100	100	0.88	UX5	P	
286A	265 113 000	G ₁	2	1.5	175	75	6.2	1.2	100	75	1.2	UX6	P	
290A	265 113 000	G ₁	10	1.5	175		5.4	1.22	150		1.2	UX6	P	
291A	275 641 300	G ₁	10	{ 3 7.5 6	175		4.5							
					175	75	3.1		No Data Available			B7	H	
292A	268 913 000	G ₁	10		150		2.1	0.66	100		0.66	UX6	DDT	
293A	265 413 000		10	18	175	175	14.5	1.05	100	100	1.05	UX6	P	
302THA	645 231 700	G ₁	30	{ 2 6	100		1.5		100					
						250	100	3.5		250	100		B7	TH
303A	268 943 000		2	150		2	0.64	100		0.64	UX6	DDT		

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
304AC	542 310 000		4	2	200	100	3	1.9	100	100	1.9	B5	P
309A	265 413 000		10	1.5	175	75	4.8	1.1	100	60	1.1	UX6	P
310A	265 113 000	G ₁	10	3	150	150	5.5	1.8	100	100	1.8	UX6	P
310B	265 113 000		10	3	150	150	5.5	1.8	100	100	1.8	UX6	P
311A	265 130 000	G ₁	10	15	150	150	30	2.8	100	100	2.8	UX5	P
324A	200 300 000	D ₁	5				5		D			UX4	R
328A	265 113 000	G ₁	7.5	3	150	150	5.5	1.8	100	100	1.8	UX6	P
329A	265 130 000	G ₁	7.5	15	150	150	37.5	3.3	100	100	3	UX5	P
332Pen	026 540 310		33	8.5	200	200	45	8	100	100	7	A08	P
337A	265 113 000	G ₁	10	3	150	150	6.3	1.6	100	100	1.6	UX6	P
345A	289 130 000		6				60		REC		20mA	UX5	RR
347A	020 600 310	G ₁	6	4.5	150		2.8	0.9	100		0.9	A08	T
349A	026 540 310		6	14	250	250	30	4.2	100	PenLF	4.2	A08	P
351A	028 090 310		1				120		REC		30mA	A08	RR
352A	268 913 000	G ₁	10	6	150		2.1	0.65	100		0.65	UX6	DDT
354 V	642 310 000		4	4.5	250		6.5	3.5	100		3	B5	T
361A	243 560 000		1.4		50	40	0.4	0.57	No Data Available			UX5	P
362A	243 560 000		1.4		50	50	1.26	0.57	No Data Available			UX5	P
383A	120 406 030		6		125		7.5	2.8	100		2.8	A08	T
401A	264 300 000		5	9	50		1.5	0.8	No Data Available			UX4	T
402	264 300 000		3	40	175		40	1	100		1	UX4	T
402-OT	005 231 600	G ₁	40	12	250	250	32	7	100	PenLF	7	B7	P
402P	000 231 600	G ₁	4	12.5	200		20	7.5	100		7	B7	T
402Pen	005 231 600	G ₁	40	6.7	200	200	40	7	100	100	7	B7	P
402PenA	005 231 600	G ₁	40	9	150	150	56	8	100	100	8	B7	P
405BU	892 300 000		4				15		REC		10mA	B4	RR
406	642 300 000		4		150		5.5	0.5	100		0.5	B4	T
408BU	892 300 000		4				15		REC		10 mA	B4	RR
410HF	642 300 000		4	2.5	200		0.2	0.22	100		0.2	B4	T
410P	642 300 000		4	16	250		12	1.8	100		1.8	B4	T
410RC	642 300 000		4	2.5	200		0.2	0.2	100		0.2	B4	T
410SG	542 300 000	A	4	1	200	100	4.5	0.9	100	100	0.9	B4	P
412BU	892 300 000		4				30		REC		17 mA	B4	RR
412SU	802 300 000		4				60		REC		22 mA	B4	R
415PT	642 350 000		4	25	300	200	20	1.7	100	PenLF	1.7	B5	P
415QT	642 350 000		4	25	300	200	20	1.8	100	PenLF	1.8	B5	P
415SP	642 300 000		4	18	150		11	1.6	100		1.6	B4	T
425PT	642 350 000		4	17	250	150	12	1.3	100	100	1.3	B5	P
441U	892 300 000		4				60		REC		20mA	B4	RR
442BU	892 300 000		4				60		REC		20mA	B4	RR
450	642 300 000		4	55	250		50	3.5	100		3.5	B4	T
450	264 300 000		7.5		400		55	2.1	100		2.0	UX4	T
450AC	542 310 000	A	4		200	100	3.5	3	100	100	3	B5	P
460BU	892 300 000		4				60		REC		20mA	B4	RR
482A	264 300 000		5	45	200		18	1.5	100		1.5	UX4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
482B	264 300 000		5	35	250		18	1.5	100		1.5	UX4	T
483	264 300 000		5	60	250		30	1.7	100		1.7	UX4	T
484V	642 310 000		4	2.5	200		0.25	1.2	100		1.2	B5	T
485	264 130 000		3	9	175		5.8	1.4	100		1.4	UX5	T
486	026 040 300		3	3	90		3	0.61	80		0.6	A08	T
500	892 300 000		4				30		REC		15mA	B4	RR
506	892 300 000		4				30		REC		15mA	B4	RR
506BU	892 300 000		4				30		REC		15mA	B4	RR
506K	892 300 000		2				30		REC		15mA	B4	RR
509	892 300 000		2				60		REC		20mA	B4	RR
605	642 300 000		4	6	150		10	1.4	100		1.4	B4	T
615	642 300 000		4	41	150		4	1.4	100		1.4	B4	T
620T	642 300 000		6	95	400		62.5	2.3	100		2.3	B4	T
660	642 300 000		6	100	400		120	2.3	100		2.3	B4	T
680XP	642 300 000		6	100	400		3.5	1.1	100		1.1	B4	T
713A	021 415 360		6	2	125	125	7.5	3.95	100	100	3.9	A08	P
717A	021 415 360		6	2	125	125	7.5	4	100	100	4	A08	P
731A	412 365 100		6	2.3	150	150	7	4.3	100	100	4	B7G	P
802	205 411 300	A	6	18	400	250	30	2.2	No Data Available			UX7	P
805	642 300 000		6	6	150		10	1.4	100		1.4	B4	T
807	254 130 000	A	6	12.5	400	250	83	6.5	100	PenLF	6	UX5	P
816	200 300 000	D ₁	2.5				120		REC		30mA	UX4	R
825	642 300 000		6	0	150		6	1.4	150		1.4	B4	T
825BU	892 300 000		7.5				60		REC		20 mA	B4	RR
836	2** 00* 300	D ₁	2.5				120		REC		30mA	B7G	R
840	254 130 000	A	2	3	175	75	1	0.4	100	60	0.4	UX5	P
842	264 130 000		7.5	100	400		25	1.25	100		1.25	UX5	T
843	264 130 000		2.5	25	350		25	1.7	100		1.7	UX5	T
864	364 200 000		1.1	4.5	90		2.9	0.61	80		0.61	UX4	T
866	200 300 000	D ₁	2.5				120		REC		30mA	UX4	R
866B	200 300 000	D ₁	5				120		REC		30mA	UX4	R
866Jr	280 300 000		2.5				120		REC		30mA	UX4	R
871	200 300 000	D ₁	2.5				120		REC		30mA	UX4	R
879	300 200 000	D ₁	2.5				5		D			UX4	R
884	026 040 310		6		300		75	4KΩ	No Data Available			A08	Thyratron
885	264 130 000		2.5		300		75	4KΩ	No Data Available			UX5	Thyratron
904V	642 310 000		4	2	200		2	2	150		2	B5	T
950	041 230 500	A	2	16.5	175	150	7	0.95	100	100	0.95	B7	P
985	289 130 000		5				30		REC		15mA	UX5	RR
986	289 300 000		5				60		REC		20mA	UX4	RR
994V	642 310 000		4	0	100			3.6	100		3.6	B5	T
1005	008 092 030		6				30		REC		15mA	A08	RR
1201	426 141 630		6	3	175		5.5	3	150		3	B8B	T
1201	892 300 000		25						D			B4	DD
1203	200 800 130		6						D			A08	D

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
1203A	200 800 130		6						D			A08	D
1204	526 141 310		6	2	250	100	1.75	1.2	100	100	1.2	B8B	P
1206	265 441 730		6	2.5	250	100	4.5	2.1	100	100	2.1	B8B	PP
1221	265 113 000	G ₁	6	3	250	100	2	1.22	100	100	1.2	UX6	P
1223	026 510 310	G ₁	6	3	250	100	2	1.22	100	100	1.2	A08	P
1229	265 300 000	G ₁	2	3	150	75	1.7	0.64	100	75	0.64	UX4	P
1230	264 300 000		2	9	150		3		100			UX4	T
1231	265 104 130		6	30	300	300	13	6.3	100	100	6.3	B8B	P
1232	265 114 130		6	2	250	100	6	4.5	100	100	4.5	B8B	P
1273	265 104 130		6	3	250	100	2.2	1.5	100	100	1.5	B8B	P
1274	028 090 310		6				30		REC		15mA	A08	RR
1275	289 300 000		5				120		REC		30mA	UX4	RR
1280	265 104 130		12.5	3	250	100	2.2	1.5	100	100	1.5	B8B	P
1282	265 114 130		6	2	300	150	10	5.8	100	150	5.8	B8B	P
1284	265 104 130		12.5	3	250	100	9	2	100	100	2	B8B	P
1288	364 204 730		1.4	0	90		5.2	1.85	80		1.85	A08	TT
1291	274 304 620		1.4		90		5.2	1.85	80		1.85	A08	TT
1292	364 204 730		1.4	0	90		5.2	1.85	80		1.85	A08	TT
1293	260 004 030		1.4		90		4.7	1.3	80		1.3	A08	T
1294	200 800 130		1.4						D			A08	D
1299	365 004 230		1.4	4.5	150	90	10.2	2.4	100	90	2.4	B8B	P
1560	289 300 000		5				60		REC		20mA	UX4	RR
1560	892 300 000		5				60		REC		20mA	B4	RR
1561	892 300 000		4				60		REC		20mA	B4	RR
1562	280 300 000		7.5				120		REC		30mA	UX4	R
1602	264 300 000		7.5	23.5	250		10	1.33	100		1.33	UX4	T
1603	265 113 000	G ₁	6	3	250	100	2	1.225	100	100	1.2	UX6	P
1609	364 520 000		1.1	1.5	125	75	2.5	0.725	100	75	0.72	UX5	P
1610	264 530 000		2.5	16.5	250	250	31	2.5	100	PenLF	3.8	UX5	P
1611	026 540 310		6	16.5	250	250	34	2.5	100	PenLF	2.5	A08	P
1612	026 540 310	G ₁	6	3	250	100	5.3	1.1	100	100	1.1	A08	P
1613	026 540 310		6	16.5	250	250	34	2.5	100	PenLF	2.5	A08	P
1614	026 540 310		6	18	350	250	54	5.2	100	PenLF	5.2	A08	P
1616	200 300 000	D ₁	2.5				120		REC		30mA	UX4	R
1619	026 540 310		2.5	10	300	250	45	4.5	100	PenLF	4.5	A08	P
1620	026 510 310	G ₁	6	3	250	100	2	1.225	100	100	1.2	A08	P
1621	026 540 310		6	16.5	250	250	34	2.5	100	PenLF	2.5	A08	P
1622	026 540 310		6	18	350	250	54	5.2	100	100	5.2	A08	P
1624	026 540 310		2.5	20	400	300	25		100	PenLF		A08	P
1626	026 040 310		12.5	32	250		20	2.1	100		2.1	A08	T
1631	026 540 310		12.5	18	350	250	54	5.2	100	PenLF	5.2	A08	P
1632	026 540 310		12.5	8	200	100	50	9.5	100	90	9	A08	P
1633	471 461 230		25	8	250		11.5	2.6	100		2.6	A08	TT
1634	074 461 230		12.5	2	250		2	1.325	150		1.3	A08	TT
1635	027 446 310		6	0	300		3.5	0.9	100		0.9	A08	TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
1637	026 500 310	G ₁	6	18	250	250	32	3·8	100	PenLF	3·8	A08	P
1638	029 180 310		6						D			A08	DD
1639	026 890 310	G ₁	6	5·5	250		5	2	100		2	A08	DDT
1644	414 752 360		12·5	9	175	175	13	2·15	100	100	2·1	A08	PP
1649	021 415 360		6	2	300	150	10	9	100	100	8	A08	P
1654	2** 00* 300	D ₁	1·4						D			B7G	D
1655	074 461 230		6	2	250		2	1·325	200		1·3	A08	TT
1659	268 913 000	G ₁	2·5	2	250		0·9	1·1	150		1·1	UX6	DDT
1662	364 526 300		1·4	8·4	150	90	13·3	1·9	100	75	1·9	B7G	P
1664	026 985 310	G ₁	2·5	3	250	125	10	1·325	100	100	1·3	A08	DDP
1801	892 300 000		4				15		REC		10mA	B4	RR
1805	892 300 000		4				30		REC		15mA	B4	RR
1807	892 300 000		4				30		REC		15mA	B4	RR
1810	003 200 000	D ₁	4				30		REC		15mA	B4	R
1815	892 300 000		4				60		REC		20mA	B4	RR
1817	892 300 000		4				120		REC		30mA	B4	RR
1831	892 300 000		4				30		REC		15mA	B4	RR
1851	021 415 360		6		300	150	10	9	100	100	8	A08	P
1852	021 415 360		6		300	150	10	9	100	100	8	A08	P
1853	021 415 360		6	3	300	200	12·5	5	100	150	5	A08	P
1861	892 300 000		4				60		REC		20mA	B4	RR
1867	389 200 000		4				60		REC		20mA	UX4	RR
1875	023 000 000	D ₁	4				5		D			8SC	R
1876	123 000 080		4				5		D			8SC	R
1877	002 300 000	D ₁	4				3		D			B4	R
1882	023 080 090		5				60		REC		20mA	8SC	RR
1883	023 080 090		5				60		REC		20mA	8SC	RR
2051	026 041 310		6		250		50	5kΩ	No Data Available			A08	Thyratron
2101	264 530 000		2	4·5	150	150	8	1·7	100	100	1·7	UX5	P
2102	268 943 000		2	1	100		2·5	1·3	100		1·3	UX6	DDT
2103	274 546 300		2	7·5	150	150	4	1·6	100	100	1·6	UX7	PP
2151	265 413 000		14	31	250	250	47	2·4	100	PenLF	2·4	UX6	P
2506	892 300 000		4				15		REC		10mA	B4	RR
3006	802 300 000		4						D			B4	D
3481	026 510 310	G ₁	6	13·5	150	150	5·5	1·8	100	100	1·8	A08	P
3720	364 200 000		5	1·5	175		0·2	0·2	150		0·2	UX4	T
3871	264 300 000		30	19	100	100	52	3·8	100	90	3·8	UX6	P
3872	364 200 000		2	9	150		3		100			UX4	T
3873	365 200 000	G ₁	2	3	150	75	1·7	0·64	100	75	0·6	UX4	P
3921	264 300 000		2·5	50	250		34	2·17	100		2·1	UX4	T
3924	265 130 000	G ₁	2·5	3	175	90	4	1	100	90	1	UX5	P
4019B	642 300 000		4	8	150		75	1·27	100		1·2	B4	T
4021B	642 300 000		4	8	125		23	3	100		3	B4	T

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	la mA	mA/V	Anode Volts	Screen Volts	mA/V		
4033A	642 310 000		6	20	400		50	9	100		8	B5	T
4033L	642 310 000		6	20	400		60	10	100		8	B5	T
4033	264 130 000		6	20	400		50	9	100		8	UX5	T
4037A	802 300 000		4				120		REC		30mA	B4	R
4074A	204 140 300	A ₁ A ₂	6	13	300		15	3	100		3	UX7	TT
4077A	003 200 000	D ₁	5				120		REC		30mA	B4	R
4310A	265 113 000	G ₁	10	5.5	250	150	5.2	2	100	100	2	UX6	P
4328A	265 113 000	G ₁	7.5	5.5	250	175		2	100	150	2	UX6	P
4328D	026 510 310	G ₁	7.5	5.5	250	150	5.2	2	100	100	2	A08	P
4608	642 310 000		4	6	150		11	2.5	100		2.5	B5	T
4610	542 310 000	A	4	1.3	200	100	1.5	0.9	100	100	0.9	B5	P
4618	542 310 000	A	4	2	200	100	3	2.2	100	100	2.2	B5	P
4631	264 300 000		2	1.5	150		0.7		150			UX4	T
4652	892 300 000		4				60		REC		20mA	B4	RR
4657	642 310 000		4	1.5	200		1	2.2	200		2.2	B5	T
4670	432 564 570		2	8.5	90	90	1		80	75		8SC	PP
4673	642 310 000	G ₁	4	2.5	250	200	8	5	100	PenLF	5	B5	P
4673	023 110 560	G ₁	4	2.5	250	200	8	5	100	150	5	8SC	P
4682	023 100 560	G ₁	4		375	250	24		100	PenLF		8SC	P
4683	023 004 060		4		350		43		100			8SC	T
4684	023 104 560		4		375	250	24		100	PenLF		8SC	P
4688	023 104 560		4		375	275	48		100	PenLF		8SC	P
4689	023 104 560		6		375	275	48		100	PenLF		8SC	P
4694	023 104 560		6		375	250	24		100	PenLF		8SC	P
4699	023 104 560		6	12.5	300	300	55	13	100	PenLF	9	8SC	P
5516	235 242 300	A	3	14	400	250	75	4	100	PenLF	4	A08	P
5590	412 365 100		6		90	90	3.9	2	80	90	2	B7G	P
5591	412 365 100		6		175	150	10		175	100		B7G	P
5603	021 415 360		6		150	150	50	5.4	100	100	5.4	A08	P
5608	412 365 100		6	12	125	125	7.5	5	100	90	5	B7G	P
5618	265 134 200		3	8	275	75	19	3.5	100	60	3.5	B7G	P
5654	412 365 100		6	2	125	125	7.5	5	100	100	5	B7G	P
5659	026 540 310		12.5	12.5	250	250	32		100	PenLF		A08	P
5660	026 895 310	G ₁	12.5	3	250	125	10	1.325	100	100	1.3	A08	DDP
5661	021 415 360		12.5	0.4	250	100	9.2	2	100	100	2	A08	P
5670	214 607 413		6	2	150		8.2	5.5	125		5.5	B9A	TT
5679	218 309 120		6				5		D			B8B	RR
5686	141 235 615		6	12.5	250	250			No data available			B9A	P
5687	641 221 437		6	12.5	250		16	4.1	100		4.1	B9A	TT
5691	471 461 230		6	2	250		2.3	1.6	150		1.6	A08	TT
5692	471 461 230		6	9	250		6.5	2.2	100		2.2	A08	TT
5693	021 415 360		6	3	250	100	3	1.65	100	100	1.6	A08	P
5722	902 208 300		3						D			B7G	D
5725	412 365 100		6	2	125	125	5.5	3.5	100	100	3.5	B7G	P
5726	192 310 800		6				5		D			B7G	RR

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
5749	412 365 100		6	1	250	100	11	4.4	100	100	4.4	B7G	P
5750	412 366 400		6	1	100		18	7.2	100		6	B7G	H
5751	741 226 413		6	2	250		1.2	1.6	150		1.6	B9A	TT
5763	601 235 144		6	7.5	250	250	45	7	100	PenLF	7	B9A	P
5812	413 365 200		3	23	250	250	40	4.1	100	PenLF	4.1	B7G	P
5814	741 226 413		6	8.5	250		10.5	2.2	100		2.2	B9A	TT
5879	401 230 561		6	3	250	100	1.8	1	100	100	1	B9A	P
5881	026 540 310		6	12.5	300	200	48	5.3	100	150	5	A08	P
5915	412 365 100		6	0	75	75	6.3	2	80	75	2	B7G	H
5963	741 226 413		6	0	75		8	2.8	80		2.8	B9A	TT
5964	762 344 100		6	1	100		9.5	6	100		6	B7G	TT
6005	412 365 400		6	12.5	250	250	45	4	100	150	4	B7G	P
6042	461 471 230		25	8	250		9	2.6	100		2.6	A08	TT
6057	741 226 413		6	2	250		1.2	1.6	150		1.6	B9A	TT
6058	192 310 800		6				5		D			B7G	RR
6059	041 230 651		6	3	250	100	2	1.225	100	100	1.2	B9A	P
6060	741 226 413		6	2	250		10	5.5	200		5	B9A	TT
6061	*41 230 651		6	13	300	225	34	3.75	100	150	3.7	B9A	P
6062	601 235 144		6	7.5	250	250	45	7	100	150	7	B9A	P
6063	802 309 100		6				30		REC		15mA	B7G	RR
6064	412 361 500		6	2	250	250	10	7.5	100	150	5	B7G	P
6065	412 361 500		6	2.5	250	250	8	2.5	100	100	2.5	B7G	P
6066	412 389 600		6	3	250		1	1.2	150		1.2	B7G	DDT
6067	741 226 413		6	8.5	250		10.5	2.2	100		2.2	B9A	TT
6072	741 226 413		6	4	250		3	1.75	100		1.7	B9A	TT
6080	471 461 230		6	30	100		100	7	No Data Available			A08	TT
6082	471 461 230		26.5	30	100		100	7	No Data Available			A08	TT
6132	*41 230 651		6	4.5	250	250	40	11	100	150	9	B9A	P
6135	6*2 364 100		6	8.5	250		10.5	2.2	100		2.2	B7G	T
6136	412 365 100		6	1.0	250	150	10.6	5.2	100	150	5	B7G	P
6137	021 415 360		6	3	250	100	9.2	2	100	100	2	A08	P
6146	125 141 130	A	6	30	200	200	100	7	No Data Available			A08	P
6153T	023 164 570	G ₁	6	2	100		16	5	100		5	8SC	TH
				2	250	100	12	3.5	100	100	3		
6159	125 141 130	A	26	30	200	200	100	7	No Data Available			A08	P
6201	741 226 413		6	2	250		10	5.5	100		5	B9A	TT
7000	026 510 310	G ₁	6	3	250	100	2	1.225	100	100	1.2	A08	P
7184	026 540 360		6	15	250	250	70		100	PenLF		A08	P
7193	020 000 310	A G ₁	6	10.5	300		11	3	100		3	A08	T
7700	265 113 000	G ₁	6	3	250	100	2		100	100		UX6	P
7752	412 365 100		6	2	125	125	5.5	3.5	100	100	3.5	B7G	P
7755	412 365 100		6		30	30	3	2.75	No Data Available			B7G	P
7756	106 052 430		6	36	300	300	58	4.3	100	PenLF	4.3	A08	P
8013A	200 300 000	D ₁	2.5				15		REC		10mA	B4	R

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA					A.V.T. DATA			BASE	TYPE
				Neg Grid Volts	Anode Volts	Screen Volts	Ia mA	mA/V	Anode Volts	Screen Volts	mA/V		
8020	200 300 000	D ₁	5				120		REC		30mA	UX4	R
9001	412 365 100		6	3	250	100	2	1.4	100	100	1.4	B7G	P
9002	612 364 100		6	7	250		6.3	2.2	100		2.2	B7G	P
9003	412 365 100		6	3	250	100	6.7	1.8	100	100	1.8	B7G	P
9006	812 380 100		6				5		D			B7G	R

STOP PRESS DATA

A1834	741 461 230	6	40	100		60	6	No Data Available	A08	TT
B309	741 226 413	6	2	250		10	5.5	100	5	B9A TT
ECC83	741 226 413	6	2	250		1.2	1.6	100	1.6	B9A TT

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA FOR TUNING INDICATORS					BASE
				Neg Grid Volts	Anode Volts	Target Volts	Ia mA	Ra MΩ	
AC/ME	045 231 600		4	22	250	250	0.24	1	B7
AMI	023 104 560		4	5	250	250	0.095	2	8SC
DM2I	206 540 030		1.4		90	90	0.025	2	A08
EMI	023 104 560		6	5	250	250	0.095	2	8SC
EM3	023 104 560		6	18	200	200	0.176	1	8SC
EM4	023 164 560		6	{ 4.2 12.5	200	200		1	} 8SC
EM3I	026 540 310		6		200	200		1	
EM34	026 456 310		6	{ 5 16	250	250		2	} A08
EM35	026 540 310		6		250	250		1	
EI30	026 540 310		6	15	250	250		1	A08
EI320	026 540 310		6	11	250	250	4	1	A08
FT4	026 540 310		4	6	250	250		1	A08
ME4S	023 104 560		4	5	250	250		2	8SC
ME6S	023 104 560		6	5	250	250		2	8SC
ME4I	216 040 530		4	22.5	250	250	0.23	1	M08
ME9I	216 040 530		9	17	150	150	0.135	1	M08
ME920	045 231 600		9	19	175	175	0.18	1	B7
PM5	206 546 130		6	{ 15 5	200	200		1	} A08
TV4	023 104 560		4		200	200		1	
UM34	025 465 310		12.5	{ 5 16	250	250		1	} A08
					250	250	1	1	
VFT4	026 540 310		4	20	250	250		1	A08
VME4	045 231 600		4	22	250	250		1	B7
VTF6	026 540 310		6	22	200	200		1	A08
Y6I	026 540 310		6	22	250	250	0.24	1	A08
Y62	026 540 310		6	22	250	250		1	A08
Y63	026 540 310		6	22	250	250	0.24	1	A08
Y64	026 540 310		6	22	250	250		1	A08
Y65	026 540 310		6	11	250	250		1	A08
2E5	264 513 000		2.5	8	250	250	0.24	1	A08
6AB5	264 513 000		6	15.5	150	150	0.13	1	UX6
6AF7	026 457 310		6	{ 4.5 15	200	200	0.16	1	} A08
					200	200	0.15	1	
6E5	264 513 000		6	7.5	250	250	0.2	1	UX6
6G5	264 513 000		6	22	250	250	0.24	1	UX6
6H5	264 513 000		6	22	250	250	0.24	1	UX6
6M1	026 540 310		6	22.5	250	250	0.23	1	A08
6N5	264 513 000		6	15.5	150	150	0.13	1	UX6
6T5	264 513 000		6	22	250	250		1	UX6
6U5	264 513 000		6	22	250	250	0.24	1	UX6
41ME	023 104 560		4	5	250	250		1	8SC

VALVE	SELECTOR SWITCH No.	T.C.	Vf	VALVE CHARACTERISTIC METER DATA FOR TUNING INDICATORS					BASE
				Neg Grid Volts	Anode Volts	Target Volts	Ia mA	Ra MΩ	
63ME	026 540 310		6	22	250	250	0.25	1	AO8
64ME	026 457 310		6	16	250	250		1	} AO8
				2.5	250	250		1	
1629	026 540 310		12.5	8	250	250	0.24	1	AO8
4678	023 104 560		6	5	250	250	0.095	2	8SC

